

Message

From: Loesel, Matthew [loesel.matthew@epa.gov]
Sent: 9/4/2021 8:43:57 PM
To: Cook, David; Roff, Nicholas [Roff.Nicholas@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]

The Airborne Spectral Photometric Environmental Collection Technology (ASPECT) aircraft conducted a screening level assessment to evaluate the unreported or undetected releases of hazardous materials or contaminants in the vicinity of priority industrial facilities in the area of Baton Rouge, Louisiana on September 03, 2021. This map shows the flight path ASPECT used, however data collection only occurs in the vicinity of the facilities on the map. The screening level results from ASPECT were compared to the Texas ' Air Monitoring Comparison Values (AMCVs) and California's Office of Health Hazard Assessment Acute Reference Exposure Levels (RELs). No detectable analyte concentrations were observed.

Message

From: Loesel, Matthew [loesel.matthew@epa.gov]
Sent: 9/5/2021 7:14:35 PM
To: R6 Response Notify [R6_Response_Notify@epa.gov]
Subject: Region 6 Hurricane Ida Management Report 09/05/2021
Attachments: Hurricane Ida Report 9 09052021.pdf

Matthew Loesel

U.S. EPA - Federal On-Scene Coordinator

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Daily Management Update – September 5, 2021 Report #9

INCIDENT MANAGEMENT OBJECTIVE

- Prioritize the health and safety of responders.
- Establish an Incident Command System organization as needed to manage the response and deploy resources (staff and equipment) in a timely and coordinated manner and prepare a plan that outlines resource and equipment needs for an extended response.
- Participate in Unified Command with federal, state and local agencies to affect a locally executed, state managed, and federally supported approach to incident stabilization.
- Track incident notifications related to the event and respond to oil spills and hazardous material releases in the Agency's area of responsibility.
- Assess National Priority List sites in the impacted area.
- Coordinate with State of Louisiana on assessment of their priority facilities which include those that are Risk Management Plan and/or Facility Response Plan facilities and assist as requested by the State.
- Coordinate with the State to determine if support is needed for air monitoring during start-up of industrial sources in impacted areas.
- Assess and/or provide technical assistance to support assessment of drinking water and wastewater facilities as requested by the State.
- Ensure prompt processing of Fuel Waiver requests.
- Implement the Agency's Crisis Communication Plan to coordinate communications with the public, sensitive/vulnerable communities, elected officials, and the press.
- Support the Louisiana Department of Environmental Quality through air monitoring of industrial sources in impacted areas using the ASPECT platform.

INCIDENT OVERVIEW Hurricane Ida made landfall August 29, 2021, at approximately 12:00 pm west of Grand Isle, Louisiana. High winds and storm surge affected the coastal Parishes of Louisiana, leading to widespread power and communications outages throughout Southeast Louisiana. Ida produced heavy rains across the central Gulf Coast from southeast Louisiana to coastal Mississippi, Alabama, as well as the Lower Mississippi Valley resulting in considerable flash, urban, small stream, and riverine flooding.

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EXECUTIVE SUMMARY

- On September 5, 2021, EPA deployed the ASPECT air monitoring plane to assess industrial targets identified by the state of Louisiana following Hurricane Ida, the mission is currently scheduled through September 7, 2021. On September 4, 2021, ASPECT overflow 19 facilities on the LDEQ priority list.
- On September 1, 2021, FEMA issued the Mission Assignment for mobile drinking water lab support in Louisiana. Region 6 and Region 7 mobile labs were deployed on September 2, 2021.
- On August 31, 2021, FEMA issued a Mission Assignment for drinking water and waste water subject matter experts to assist FEMA and the state. The two subject matter experts began their mission on September 1, 2021.
- As of 1:00 pm on September 5, 2021, EPA has received a total of 160 National Response Center (NRC) reports with 34 in EPA's Area of Responsibility (AOR) related to Hurricane Ida, of these 17 are air releases. None have required EPA response actions beyond assessments by the Phone Duty Officer.
- LDEQ reported that 15 of their ambient air monitoring sites had stopped polling, due to power outages as of September 5, 2021. LDEQ's Mobile Air Monitoring Labs are positioned in Norco and Marrero.
- Drinking Water System Status

Status *	Systems	Population Served
Water Outages	89	83,686
Boil Water Advisories	218	1,050,694
Cleared of Boil Water Advisories	13	33,538

* As of 8:30 am on September 5, 2021

- LDEQ and the Louisiana State Police are continuing their Rapid Needs Assessments throughout the impacted area. Assessments of drinking water, waste water and industrial facilities are ongoing. No major issues have been reported to date.

SIGNIFICANT ACTIONS

- The Office of External Affairs (ORAX) is working with the HQ Public Information Officer on press inquiries. ORAX continues to post information to social media.
- ORAX posted EPA links to Public Service Announcements about emergencies and disasters to <https://response.epa.gov/HurricaneIda>. These links are in English, Spanish and Vietnamese.
- OCTEA continues to follow-up on questions from the meeting on September 3, 2021 and pass along the daily report to stakeholders.
- A public response site has been created at <https://response.epa.gov/HurricaneIda>.
- As Federal Emergency Management Agency (FEMA) transitions their activities to the field, the need for Liaison Officers from EPA has decreased, so as of September 4, 2021, only one EPA staff will serve as a liaison to FEMA. The position will continue to be staffed virtually.
- On September 2 and 3, 2021, the Region 6 Air Enforcement Branch reached out to 10 facilities that reported air releases to the National Response Center. Follow-up questions

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to the NRC reports were sent to these facilities. The facilities have 7 days to respond to EPA once they receive the questions.

- The EPA Remedial Program monitored 23 total NPL sites pre- and post-hurricane. All 23 were cleared and none required action.
- On August 27, 2021, Office of Regional Counsel (ORC) received a Force Majeure notice from the Valero (Meraux) Refinery in St. Bernard Parish, Louisiana. The notice provides that the refinery will shut down its Community Air Monitoring Station on Ventura Drive in order to protect the equipment. The refinery provided the notice pursuant to the terms of the Consent Decree it is under. On September 2, 2021, ORC received an update to the notice, the facility still lacks power, therefore, the air monitoring has not resumed.
- A Force Majeure notice from New Orleans Water and Sewerage Board was received on September 3, 2021. The notice provides that the Sewerage and Water Board does not yet know the extent of damage sustained as a result of Hurricane Ida.
- Fourteen intakes associated with 11 drinking water facilities along the Mississippi River are near the discharge by the New Orleans Water and Sewage Board. The Louisiana Department of Health has notified the water systems downstream of the release. To date approximately 190 million gallons have bypassed the system. Power is now 100% being supplied by Entergy. The bypass will continue until the plant is fully operational.

COORDINATION WITH STATE AGENCIES

- EPA is participating in the daily Hurricane Taskforce calls with the Louisiana Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP), LDEQ, Louisiana Oil Spill Coordinator's Office (LOSCO) and the USCG to discuss storm preparations and resource availability.

UNMET NEEDS & ISSUES

- None at this time

MISSION ASSIGNMENTS

Mission Assignment Number	Funding Amount	Description of Assignment	Expiration Date
3568EM-LA	\$93,500	Activate and deploy ESF#10 to Region 6 RRCC, IOF, or other locations to include virtual to support FEMA R6 Disaster Operations.	09/26/2021
4611DR-LA	\$24,150	Deployment of personnel to provide water and wastewater expertise to support disaster operations.	09/30/2021
4611DR-LA	\$850,000	Deployment of Drinking Water Mobile Labs	09/29/2021
4611DR-LA	\$555,450	ESF-10 assistance for ASPECT plane to deploy to conduct chemical detection and identification and map chemical plumes in the atmosphere over industrial facilities	09/24/2021

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EPA RESOURCES

Personnel	EPA R6 Dallas*	FEMA*	LA Field	ASPECT	Total
Region 6	9	1	4	0	14
Region 7	0	0	4	0	4
CMAD	0	0	0	2	2
START	2	0	0	0	2
Total	11	1	8	2	22

* All virtual staffing

FUEL WAIVERS

Affected State	Waiver Request	Date Received	Status
LA	Request for Temporary Waiver to allow regulated parties to produce, sell and distribute winter gasoline in Louisiana and Mississippi with a Reid vapor pressure of no more than 11.5 psi after the addition of ethanol	08/27/2021	Approved
LA	Request for Temporary Waiver to allow regulated parties to produce, sell and distribute winter gasoline in Louisiana and Mississippi with a Reid vapor pressure of no more than 11.5 psi before the addition of ethanol	9/2/2021	Approved

Message

From: R6 RRC [R6_RRC@epa.gov]
Sent: 9/6/2021 2:30:43 AM
To: Delgado, Eric [Delgado.Eric@epa.gov]
Subject: FW: Requests for Air Monitoring from the Public

FYI

From: Moore, Gary <Moore.Gary@epa.gov>
Sent: Sunday, September 5, 2021 9:10 PM
To: R6 RRC <R6_RRC@epa.gov>
Subject: FW: Requests for Air Monitoring from the Public

From: Moore, Gary
Sent: Sunday, September 5, 2021 9:10 PM
To: Daniel Lambert <daniel.lambert@la.gov>
Subject: Requests for Air Monitoring from the Public

Daniel: See emails below from NGOs. You may want to get your media people involved and let them know what you guys are doing.

From: Russel Honore' <russel.honore@gmail.com>
Date: September 5, 2021 at 8:10:05 PM CDT
To: Chuck Brown <Chuck.Brown@la.gov>, "Gray, David" <gray.david@epa.gov>, "Polk, Jonna" <Polk.Jonna@epa.gov>
Subject: Fwd: EPA monitoring or lack thereof

Mr Gray see notes below. I am sure Dr Brown will ask for air Monitoring help ASAP , reports show most of state air Monitoring is off line because I'd Ida .

----- Forwarded message -----

From: Darryl Malek-Wiley <darryl.malek-wiley@sierraclub.org>
Date: Sun, Sep 5, 2021 at 5:34 PM
Subject: EPA monitoring or lack thereof
To: Russel Honore' <russel.honore@gmail.com>, Jacques Morial <jacquesMorial@gmail.com>, Andy Jacoby <andrew@parishlawyer.com>, Rev Gregory Manning <gmanning1973@yahoo.com>, Larry Surapuru <lesora77@yahoo.com>, Marylee Orr <marylee@leanweb.org>, Scott Eustis <scott@healthygulf.org>, Naomi Yoder Ex 213 <naomi@healthygulf.org>, Kimberly A Terrell <kterrell1@tulane.edu>, Van Dalen, Corinne J <cvandalen@earthjustice.org>, Cyndhia Ramatchandirane <cramatch@earthjustice.org>, Vickie Boothe <boothevickiel@gmail.com>, Robert Taylor <btcnola@gmail.com>, Lisa Lavie Jordan <lwjordan@tulane.edu>, Monique Harden <moniqueh@dscei.org>, Dr. Beverly Wright <BeverlyLWright@gmail.com>

Dear All,

After reading EPA reports from Gloria Vaughn:

- 1) The SPECTOR plane has made some flights but data not yet on EPA web site.
- 2) EPA has checked all Superfund sites in Louisiana and no problems.
- 3) EPA has deployed some staff to monitor water pollution problems.
- 4) EPA has NOT deployed any staff to do Air monitoring and LADEQ's air monitoring is off line!!!
- 5) LADEQ has 17 plants on its high priority list so there should be air monitoring at all 17 sites.

LADEQ must ask EPA to deploy staff to do air monitoring during the restoration of operations at petrochemical plants in Cancer Alley.

Region 4 EPA is also ready to help EPA Region 6 if asked to deploy more staff to monitor air pollution.

Darryl

--
Best Regards, LT General Russel Honore (Ret) www.generalhonore.com (404) 227-1527 See/Smell Something, Say Something, Do Something. Take a picture Call 911

From: I <subracom@aol.com>

Date: September 5, 2021 at 7:07:03 PM CDT

To: "Gray, David" <gray.david@epa.gov>

Cc: "Arroyo, Victoria" <Arroyo.Victoria@epa.gov>, "Waterhouse, Carlton" <Waterhouse.Carlton@epa.gov>

Subject: Need for Summa Canister Sampling of Ambient Air on the Fence Lines of Industrial Facilities Between Baton Rouge and New Orleans LA.

Reply-To: I <subracom@aol.com>

The ASPECT plane air monitoring of the Hurricane Ida's damage association with the industrial facilities between Baton Rouge and New Orleans and their venting, flaring and release of extensive smoke plumes, has not detected any of the 76 chemicals monitored for during September 2, 3 and 4, 2021 monitoring events.

LA DEQ is doing mobile monitoring in Norco and Chalmette. Hydrogen Sulfide and Sulphur Dioxide have been detected, as well as Methane and total hydrocarbons.

On behalf of the fence line community members living around the industrial facilities, there is a desperate need for collection of summa canister air samples along the fence lines of the industrial facilities during release events, flaring and smoke plume events, that move off the industrial facilities and into the communities. The summa canister air samples need to be analyzed for TO-15 Volatile Organic Compounds, Method 16 Sulphur Compounds and Tentatively Identified Compounds.

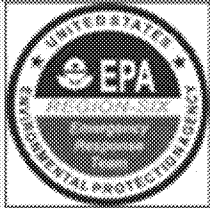

The ASPECT sampling and DEQ evaluations have identified flaring, smoke plumes and releases at a number of the industrial facilities, including the refineries and chemical plants in the Norco area, Marathon Refinery and Denka facility in Reserve, the Exxon Refinery and Chemical plants in the North Baton Rouge area, as well as additional facilities releasing toxic chemicals, flaring and releasing smoke/unburned toxic chemicals along the industrial corridor.

Is it possible to obtain resources necessary to fund canister grab air samples around the industrial facilities that are negatively impacting the health of the community members during the loss of electricity power by the industrial facilities and during the start up and shakedown periods that will be required to result in the industrial facilities return to compliance following the hurricane situation? These communities are located

around and adjacent to the industrial facilities between Baton Rouge and New Orleans along the Mississippi River industrial corridor.

Thank you for considering this request.

Wilma Subra

 The logo for the EPA Region 5 Emergency Response Team. It is a circular seal with "UNITED STATES" at the top, "EPA" in the center, "REGION-5" below it, and "EMERGENCY RESPONSE TEAM" at the bottom. The words "ENVIRONMENTAL PROTECTION AGENCY" are written around the inner border of the seal.	<p>Gary W. Moore (SEDER) Federal On-Scene Coordinator 1201 Elm Street, Ste 500 Dallas, Texas 75270-2102 moore.gary@epa.gov</p>	 Two social media icons are stacked vertically: a Facebook 'f' logo on top and a Twitter bird logo on the bottom.
	<p>cell: 214.789.1627 office: 214.665.6609</p>	

Message

From: Loesel, Matthew [loesel.matthew@epa.gov]
Sent: 9/5/2021 1:15:45 AM
To: Moore, Gary [Moore.Gary@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]
Subject: Fwd: Corrected Sept 2 Report
Attachments: ASPECT Summary - Hurricane Ida 2 September 2021 V3.docx

See below.....

Sent from my iPhone

Begin forwarded message:

From: "Taylor, Jillianne" <Taylor.Jillianne@epa.gov>
Date: September 4, 2021 at 7:48:59 PM CDT
To: "Loesel, Matthew" <loesel.matthew@epa.gov>
Cc: "Roff, Nicholas" <Roff.Nicholas@epa.gov>
Subject: **Corrected Sept 2 Report**

Hi Matt,

I looked at the geocorrected data and the story map that you all put together and realized that I had given you all incorrect information the other day about the location of the black smoke plumes that we saw. The black smoke plumes were actually at the Norco East Facility, not the Marathon facility. I have corrected the report from Sept 2 to reflect the change. I apologize for the mix-up.

Thanks,
Jill

Airborne Spectral Photometric Environmental Collection Technology

ASPECT Air Quality Survey for Hurricane Ida Baton Rouge, LA. September 02 2021



ASPECT Mission Supporting:

Eric Delgado
On-Scene Coordinator
Delgado.Eric@epa.gov

Initial Mission Request

Brian Fontenot
Louisiana Department of Environmental
Quality

ASPECT TEAM

Jill Taylor
Chemical/Photometric Lead
Taylor.Jillianne@EPA.gov
214-406-9896

Tony Honnellio
Radiological Lead (Detail)
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617 947-4414

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202-843-4511

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Acronyms and Abbreviations

Alt	Altitude (in feet)
AGL	Above Ground Level
cm	centimeter
CST	Central Standard Time
DEM	Digital Elevation Model
Digital	Digital photography file from the Nikon D2X camera
ft	feet
FTIR	Fourier Transform Infrared Spectrometer
igm	Spectral data format based on grams format
IR	Infrared
IRLS	Infrared Line Scanner
jpg	JPEG image format
kts	knots
mph	miles per hour
m/s	meters per second
MSIC	Digital photography file from the Imperx mapping camera
MSL	Mean Sea Level Altitude (in feet)
ppm	parts per million
UTC	Universal Time Coordinated

Executive Summary

Hurricane Ida made landfall at 11:55 AM CDT Sunday, August 29 as a high-end category-4 hurricane, with maximum sustained winds of 150 mph. The storm moved ashore near Port Fourchon, Louisiana after a period of rapid intensification, tying for the fifth strongest landfalling continental US hurricane on record with Hurricane Laura of 2020, among three other hurricanes. Severe wind and large-scale flood damage have been reported to property and infrastructure in much of southeast Louisiana, including significant damage in New Orleans, Louisiana. In addition, Ida has caused widespread damage across the Mid-Atlantic and Northeast US.

On September 2nd, the State of Louisiana requested ESF-10 assistance through FEMA and Region 6 asked for the ASPECT plane to be deployed in support of the response to Hurricane Ida. The state wanted assistance monitoring facility emissions in the industrial area between Baton Rouge and New Orleans, where flaring is resulting in the visible emission of black smoke.

ASPECT was tasked to perform remote chemical sensing over target properties to screen for airborne chemicals and take high-resolution photos to provide situational awareness. Potential areas identified for monitoring included: East Baton Rouge, Ascension, Iberville, St. James, St. John, St. Charles, Jefferson, and Orleans.

To support the Hurricane Ida response effort a total of 11 data collection runs (3 tests and 8 site passes) were made. Weather was conducive to successful data collection. Winds were light and predominantly from the West. Some scattered storms formed near Baton Rouge in the late afternoon that were routed around en route to the airport.

ASPECT Air Quality Survey

Hurricane IDA

Baton Rouge, LA

September 2, 2021

Background and Operational Overview

Hurricane Ida made landfall at 11:55 AM CDT Sunday, August 29 as a high-end category-4 hurricane, with maximum sustained winds of 150 mph. The storm moved ashore near Port Fourchon, Louisiana after a period of rapid intensification, tying for the fifth strongest landfalling continental US hurricane on record with Hurricane Laura of 2020, among three other hurricanes. Severe wind and large-scale flood damage have been reported to property and infrastructure in much of southeast Louisiana, including significant damage in New Orleans, Louisiana. In addition, Ida has caused widespread damage across the Mid-Atlantic and Northeast US.

On September 2, ASPECT was tasked to conduct a wide area air quality screening level assessment of areas populated with Risk Management Plan (RMP) sites and petrochemical facilities using the ASPECT system for detections of any airborne contaminants from ASPECT's 76 chemical detection library in the areas affected by Ida. The Region wanted to know if any detections were found, the location of the detection, and the concentration detected.

The first data collection was done over the Shell Norco East facility. After collecting two data sets over the Marathon Petroleum Company, the plane returned to the West side of the Shell Norco Facility and collected data there. There were two flares producing black smoke plumes at the Shell Norco East facility. Next, the plane headed to the Phillips 66 pipeline site. The ground crew provided two coordinates to the flight crew with instructions to fly from south to north between the two points. The first point started at the coordinate provided by Region 6, and the second point was chosen along a linear clearing which was presumed to be an indication of where the pipeline was buried. Just north of this site was one of the LDEQ priority sites, the Union Carbide Corp. Because it was so close, the flight crew was instructed to collect data there as well before flying to Baton Rouge to refuel and upload data. All sites surveyed are shown in Table 1.

There were no chemical detections at the sites surveyed. Extremely slow satellite transmission speeds (possibly due to high bandwidth use by other first responders) resulted in long delays in data collection. Some chemical photos were pulled down during flight, with the majority needing to be pulled down with a more high-speed internet connection on the ground. Unfortunately, when attempting to process the data on the

ground, the computer crashed multiple times, resulting in the decision to return to home base in Addison, TX to switch to a backup computer. The mission will resume on September 3. It should be noted that flight 1 was a system test mission and is not included in this report. Accordingly, all data collection begins with flight 2.

Table 1. Sites Covered on 02 September 2021 Flight

Facility	Lat	Lon
Shell Chemical LP - Norco Chemical Plant - East Site	29.995556	-90.4097
Marathon Petroleum Company LP - Louisiana Refining Division - Garyville Refinery	30.061322	-90.5935
Shell Chemical LP - Norco Chemical Plant West Site	30.004925	-90.4224
PHILLIPS 66 PIPELINE LLC	29.923889	-90.4825
Union Carbide Corp - St. Charles Plant	29.982289	-90.4556

General Mission Objectives

Once granted access to fly over the sites, the following general mission objectives were employed in conducting data collection with ASPECT:

1. To capture an overall, situational awareness of the incident using aerial photography with:
 - Oblique camera—photos taken by hand from the view/position of the co-pilot, and
 - MSIC photos—advanced camera mounted underneath the plane for a top-down view of the designated sites.
2. To qualitatively locate and characterize any the visible and non-visible components of a plume, as well as any areas on fire:
 - Using the Infrared Line Scanner (IRLS)
3. To screen for the presence and location of specific chemicals within ASPECT's automated chemical detection library:
 - Using the Fourier Transform Infrared (FTIR) Spectrometer

Flight Conditions and Status

Weather and Site Conditions

Prior to each flight, an updated status of the current and forecasted weather, site conditions and any potential flight obstacles including radio towers impacting safety is assessed by the crew. A summary of the ground weather conditions during the missions can be found in Table 2.

**Table 2. Ground Weather for Baton Rouge, LA, Flight 2
2 September 2021**

Time	1153	1253	1353	1453	1550	1653
Wind direction	0 degrees	0 degrees	0 degrees	0 degrees	22.5 degrees NNE	315 degrees NW
Wind speed	1.3 m/s (3.0 mph)	3.1 m/s (7.0 mph)	1.3 m/s (3.0 mph)	2.2 m/s (5.0 mph)	4.0 m/s (9.0 mph)	3.1 m/s (7.0 mph)
Temperature	31.1 C	31.7 C	31.7 C	32.2 C	31.1 C	27.8 C
Relative humidity	63	63	63	64	71	70
Dew point	23.3 C	23.9 C	23.9 C	24.4 C	25.0 C	21.7 C
Pressure	1012.9 mb	1012.6 mb	1011.9 mb	1011.6 mb	1010.6 mb	1010.2 mb
Ceiling	Clear	Clear	Clear	Clear	Few 4100 Ft	Few 3800 Ft

Data Results

The following data is provided as a summary analysis. All data products are available for the Region to access on a shared FTP site. For a complete list of available products, see Appendix A. The data collected during these missions included a flight path summary, IRLS images, FTIR chemical identification and quantification, high resolution MSIC photos, and oblique photos.

Flight Paths

Wide, slow turns are required to be made in between runs to keep the instruments stable. The blue lines indicate the flight path while the green lines indicate the specific sections of the flight where chemical data was collected and processed. On Flight 2 the Baton Rouge area was surveyed, and the flight path is shown in Figure 1.

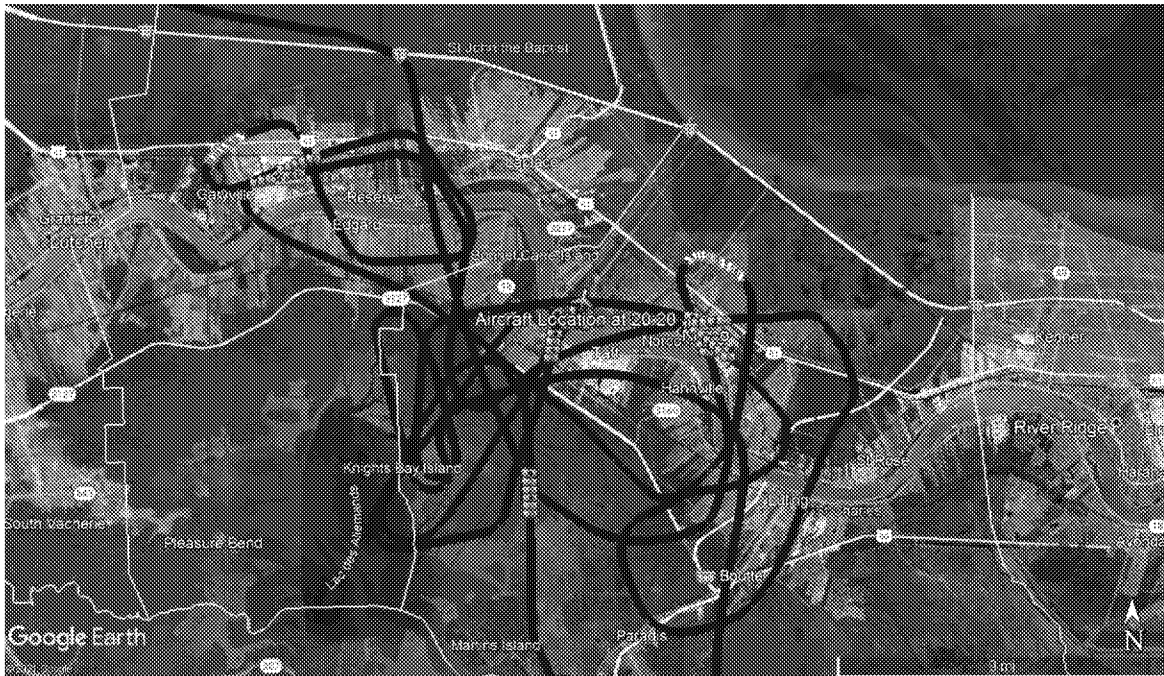


Figure 1. Data Collection Flight Path over the Baton Rouge Area Fight 2, September 2 2021

Line Scanner Data Results

A total of 11 data collection runs were made over the Baton Rouge area and during each collection run an infrared line scanner image was generated. Figure 2 shows a 3-band infrared image collected over a facility within the survey area. Examination of the image shows two small flares on the western side of the facility. Process piping throughout the facility shows ambient temperatures. No chemical plumes can be observed being emitted from the facility.

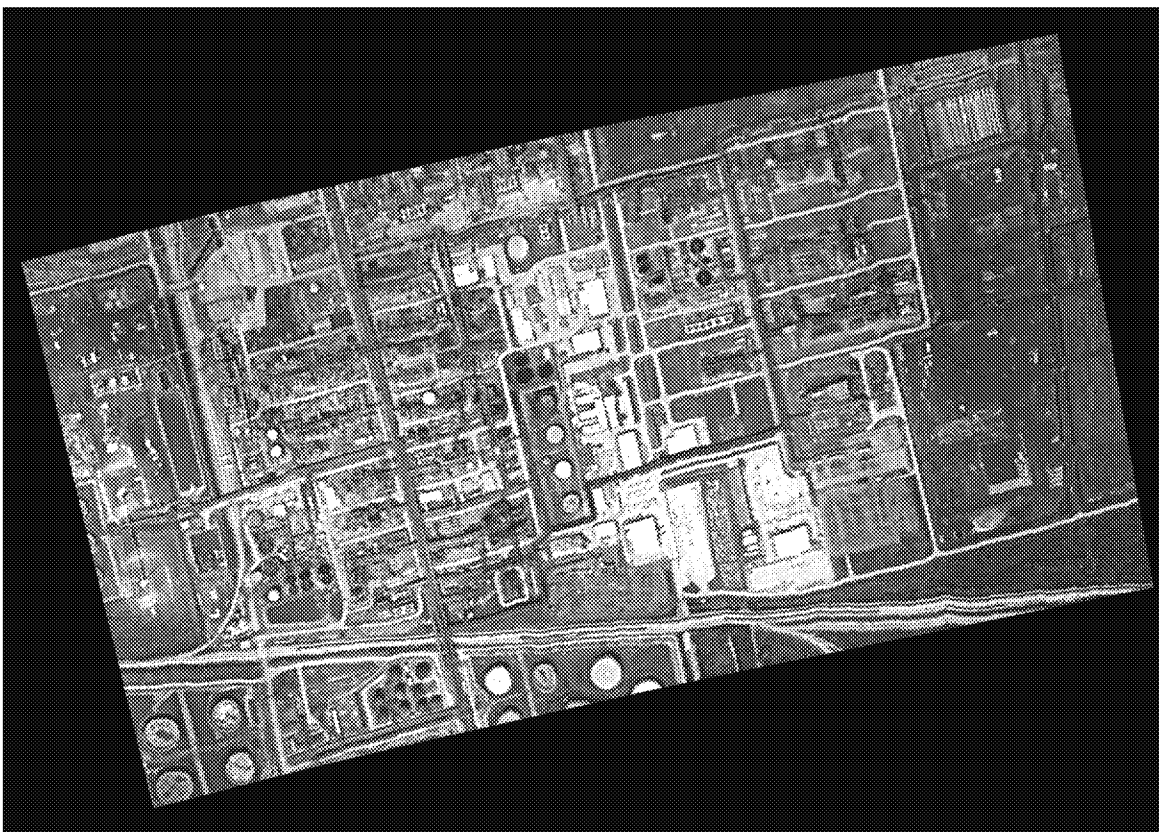


Figure 2. Three band IR image, Baton Rouge Area, Run 5, Flight 2, September 2 2021

FTIR Data Results

FTIR spectral data at a resolution of 16 wavenumbers was collected for each run. ASPECT uses an automated detection algorithm to permit compounds to be automatically analyzed while the aircraft is in flight. Seventy-six chemical compounds are included in the airborne algorithm library (the list is provided in Appendix C, Table 1). In addition, collected data was also manually quality checked against a collection of published library spectra for each chemical detected.

ASPECT did not detect any programmed compounds (those found in Appendix B, Table 1) as part of the mission over the Baton Rouge areas on September 2. Details of the monitoring results can be found in Table 2.

**Table 2. Chemical Results Summary
Baton Rouge Collection Area, Flight 2**

Pass	Date	Time (UTC)	Chemical	Max Concentration (ppm)
1	2021-09-02	17:21:59	ND	ND
2		17:46:10	ND	ND
3		18:05:06	ND	ND
4		18:57:35	ND	ND
5		19:10:35	ND	ND
6		19:19:22	ND	ND
7		19:28:16	ND	ND
8		19:38:51	ND	ND
9		20:02:54	ND	ND
10		20:11:35	ND	ND
11		20:20:00	ND	ND

Aerial Photography Results

A full set of high-resolution aerial digital photography were collected as part of each data collection pass. Weather conditions over the New Orleans area allowed high quality aerial images to be collected. Figures 3 and 4 show representative overhead and oblique images of the Shell Norco Plant East Site imaged on Flight 2.

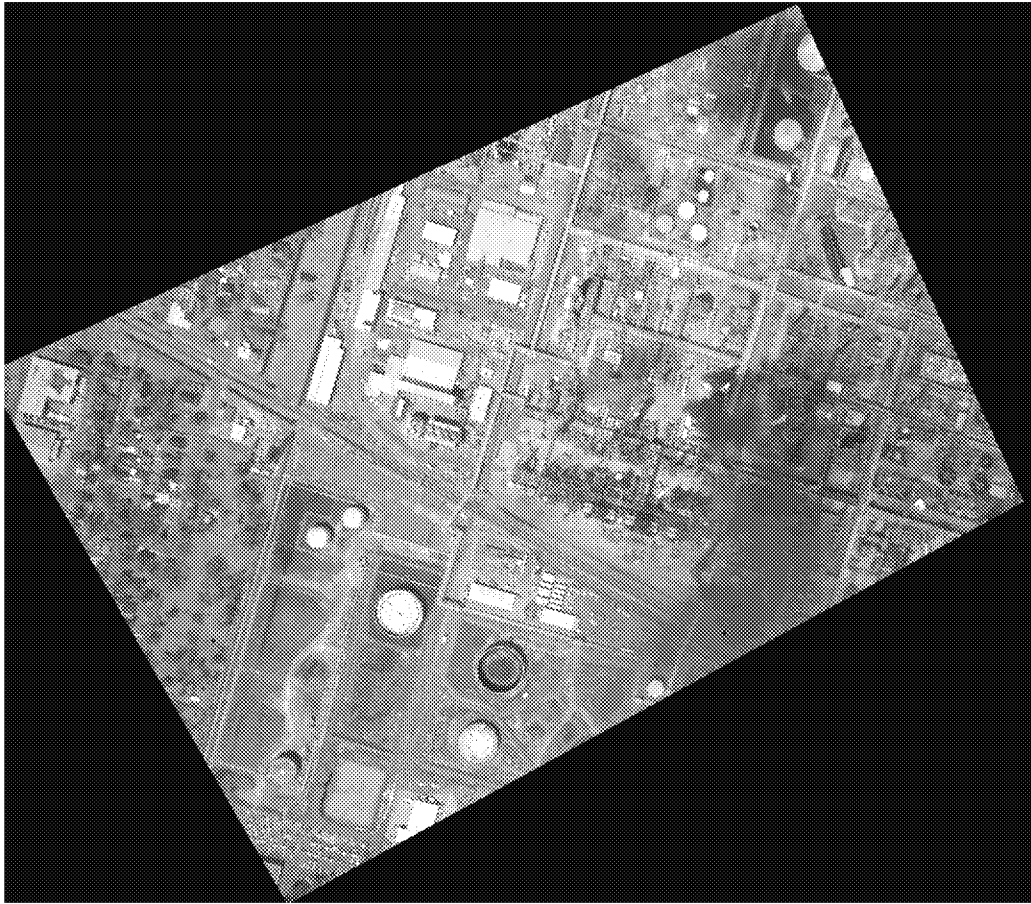


Figure 1. MSIC photo taken over the Shell Norco Plant East Site in Garyville, LA on September 2, 2021



Figure 2. Oblique photo taken over the Shell Norco Plant East Site in Garyville, LA on September 2, 2021

Conclusion

ASPECT conducted one flight mission on September 2 including air monitoring survey collections over the New Orleans area. Weather conditions were favorable for all types of data collection. Although two black plumes were visible over one of the sites, no major emissions were detected with the FTIR.

Appendix A: File Names of Data Collected During Flight
Baton Rouge Collection Areas, Flight 2, September 2, 2021

Run#	Time (UTC)	Altitude (MSL)	Velocity (knots)	MSIC Data Files	FTIR Data Files	IRLS Data Files	Gamma Files
1	17:21:59	5185	146	20210902172205321.jpg 20210902172212572.jpg 20210902172218935.jpg	20210902_172201_A.igm	2021_09_02_17_22_04_R_01 TA=28.9;TB=49.5;Gain=3	
2	17:46:10	5179	151	20210902174616618.jpg 20210902174622981.jpg 20210902174629329.jpg	20210902_174612_A.igm	2021_09_02_17_46_16_R_02 TA=24.8;TB=44.8;Gain=3	
3	18:05:06	5177	155	20210902180512152.jpg 20210902180519405.jpg 20210902180525768.jpg	20210902_180508_A.igm	2021_09_02_18_05_12_R_03 TA=12.5;TB=32.4;Gain=3	
4	18:57:35	2900	104	20210902185742116.jpg 20210902185748465.jpg 20210902185754814.jpg 20210902185801178.jpg 20210902185807527.jpg 20210902185813891.jpg	20210902_185738_A.igm	2021_09_02_18_57_41_R_04 TA=24.2;TB=44.2;Gain=3	
5	19:10:35	2960	106	20210902191041025.jpg 20210902191048278.jpg 20210902191054643.jpg 20210902191100991.jpg 20210902191107340.jpg	20210902_191038_A.igm	2021_09_02_19_10_41_R_05 TA=24.2;TB=44.4;Gain=3	
6	19:19:22	2968	107	20210902191928464.jpg 20210902191934828.jpg 20210902191942082.jpg 20210902191948446.jpg 20210902191954795.jpg 20210902192001143.jpg	20210902_191925_A.igm	2021_09_02_19_19_29_R_06 TA=29.1;TB=49.2;Gain=3	
7	19:28:16	2971	105	20210902192823176.jpg 20210902192829541.jpg 20210902192835889.jpg 20210902192842254.jpg 20210902192848602.jpg	20210902_192819_A.igm	2021_09_02_19_28_23_R_07 TA=31.4;TB=51.4;Gain=3	
8	19:38:51	2906	104	20210902193856857.jpg 20210902193904126.jpg 20210902193910475.jpg 20210902193916824.jpg 20210902193923188.jpg	20210902_193853_A.igm	2021_09_02_19_38_58_R_08 TA=30.2;TB=50.0;Gain=3	
9	20:02:54	2916	106	20210902200300337.jpg 20210902200306702.jpg 20210902200313051.jpg 20210902200319415.jpg 20210902200325764.jpg 20210902200333033.jpg	20210902_200257_A.igm	2021_09_02_20_03_01_R_09 TA=33.0;TB=52.8;Gain=3	
10	20:11:35	2921	106	20210902201141464.jpg 20210902201147813.jpg 20210902201154162.jpg 20210902201200527.jpg	20210902_201138_A.igm	2021_09_02_20_11_42_R_10 TA=31.4;TB=51.5;Gain=3	
11	20:20:00	2919	105	20210902202006230.jpg 20210902202013499.jpg 20210902202019848.jpg	20210902_202004_A.igm	2021_09_02_20_20_07_R_11 TA=24.3;TB=44.5;Gain=3	

**Appendix B: Priority Sites Provided by EPA Region 6 & Louisiana Department of
Environmental Quality**

Facility_Name	Latitude	Longitude	Parish
Deltech LLC - Baton Rouge Facility	30.552892	-91.200536	East Baton Rouge
ExxonMobil Chemical Co - Baton Rouge Plastics Plant	30.551419	-91.175611	East Baton Rouge
ExxonMobil Baton Rouge Chemical Plant	30.484336	-91.169644	East Baton Rouge
Marathon Petroleum Co LP	30.068394	-90.596364	St. John the Baptist
Westlake Vinyls Co LP	30.209167	-91.017222	Ascension
Valero Refining - Meraux LLC - Meraux Refinery	29.930222	-89.944917	St. Bernard
Cornerstone Chemical Company	29.964722	-90.264722	Jefferson
Chalmette Refining LLC	29.937903	-89.969903	St. Bernard
ExxonMobil Chemical Company - Baton Rouge Chemicals North Plant	30.50465	-91.173219	East Baton Rouge
Equilon Enterprises LLC - Norco Refinery	29.995372	-90.410167	St. Charles
The Dow Chemical Company - Louisiana Operations	30.313927	-91.240586	Iberville
Rubicon LLC - Geismar Facility	30.20139	-91.01222	Ascension
BASF Corp - Geismar Site	30.18425	-91.002778	Ascension
Union Carbide Corp - St. Charles Plant	29.982289	-90.455622	St. Charles
Phillips 66 Co - Alliance Refinery	29.68406	-89.98145	Plaquemines
Axiall LLC - Plaquemine Facility	30.267167	-91.184258	Iberville
ExxonMobil Fuels & Lubricants Co - Baton Rouge Refinery	30.484392	-91.169444	East Baton Rouge
Equilon Enterprises LLC dba Shell Oil Products US - Convent Refinery	30.107684	-90.890796	St. James
Marathon Petroleum Company LP - Louisiana Refining Division - Garyville Refinery	30.061322	-90.593528	St. John the Baptist
BASF Corp - Zachary Site	29.547603	-90.523231	East Baton Rouge
Occidental Chemical Corporation - Geismar Facility	30.18819	-90.98188	Ascension
St Rose Refinery LLC - St Rose Refinery	29.950875	-90.328497	St. Charles
ExxonMobil Chemical Co - Baton Rouge Polyolefins Plant	30.56215	-91.20387	East Baton Rouge
Shell Chemical LP - Norco Chemical Plant West Site	30.004925	-90.422381	St. Charles
NOVA Chemicals Olefins LLC - Geismar Ethylene Plant	30.230619	-91.052884	Ascension
Roehm America LLC - MMA Plant	29.9575	-90.265833	Jefferson
Valero Refining - New Orleans LLC - St Charles Refinery	29.985781	-90.3955	St. Charles
Shell Chemical LP - Norco Chemical Plant - East Site	29.995556	-90.409722	St. Charles
BASF Corp - North Geismar Site	30.20594	-90.99195	Ascension

Stolthaven New Orleans, LLC - Braithwaite Facility	29.870919	-89.949339	Plaquemines
Shintech Louisiana LLC - Shintech Plaquemine Plant	30.273611	-91.173333	Iberville
Denka Performance Elastomer LLC	30.053928	-90.524792	St. John the Baptist
Formosa Plastics Corp Louisiana	30.501722	-91.185944	East Baton Rouge
DuPont Specialty Products USA LLC - Pontchartrain Site	30.05388	-90.52472	St. John the Baptist
Occidental Chemical Corp - Taft Plant	29.987222	-90.454722	St. Charles
Syngenta Crop Protection LLC - St Gabriel Plant	30.246728	-91.103508	Iberville
Mosaic Fertilizer LLC - Faustina Plant	30.083914	-90.91345	St. James
Mosaic Fertilizer LLC - Uncle Sam Plant	30.037222	-90.8275	St. James
LBC Baton Rouge LLC - Sunshine Terminal	30.294444	-91.148333	Iberville
Occidental Chemical Corporation - Convent Facility	30.055885	-90.830594	St. James
TOTAL Petrochemicals & Refining USA Inc - Carville Polystyrene Plant	30.229786	-91.073631	Iberville
Targa Midstream Services LLC	29.237034	-89.384977	Plaquemines
EnLink LIG Liquids LLC - Plaquemine Gas Processing Plant	30.236389	-91.241389	Iberville
EnLink LIG Liquids LLC - Gibson Gas Processing Plant	29.643056	-90.961944	Terrebonne
NuStar Logistics LP - St James Terminal	30.030065	-90.843463	St. James
Enterprise Gas Processing LLC - Norco Fractionation Plant	30.015411	-90.402958	St. Charles
Lone Star NGL Refinery Services LLC - Geismar Fractionation Plant	30.218889	-91.035833	Ascension
INEOS Oxide - A Division of INEOS Americas LLC	30.313889	-91.240278	Iberville
Discovery Producer Services LLC - Discovery Paradis Fractionation Plant	29.858889	-90.453333	St. Charles
Plains Marketing LP - St James Terminal	30.004341	-90.848449	St. James
Methanex USA Services LLC - Geismar Methanol Plant	30.206667	-91.020833	Ascension
Dyno Nobel LA Ammonia LLC - Ammonia Production Facility	29.964789	-90.264625	Jefferson
Kinder Morgan Liquids Terminals LLC - Geismar Methanol Terminal	30.205389	-91.023792	Ascension
South LA Methanol LP - St James Methanol Plant	30.039917	-90.863819	St. James
YCI Methanol Plant	29.97481	-90.86775	St. James
IGP Methanol LLC - Gulf Coast Methanol Complex	29.625453	-89.926611	Plaquemines
KMe St James Holdings LLC - Methanol Terminal	29.990919	-90.841239	St. James
Kemira Chemicals Inc	29.964722	-90.264722	Jefferson
PHILLIPS 66 PIPELINE LLC	29.923889	-90.482498	St. Charles
CF INDUSTRIES	30.08328	-90.957665	Ascension

Appendix C: ASPECT Systems

The US EPA ASPECT system collects airborne infrared (IR) images and chemical screening data from a safe distance over the site (about 3,000 ft AGL). The system consists of an airborne high-speed Fourier Transform Infra-Red (FTIR) spectrometer coupled with a wide-area IR Line Scanner (IRLS). The ASPECT IR systems can detect chemical compounds in both the 8-to-12-micron (800 to 1200 cm^{-1}) and 3 to 5 micron (2000 to 3200 cm^{-1}) regions. List of chemicals and detection limits are listed in Table 1. The 8 to 12 micron region is typically known as the atmospheric window region since the band is reasonably void of water and carbon dioxide influence. Spectrally, this region is used to detect carbon - non-carbon bonded compounds. The 3 to 5 micron region is also free of water and carbon dioxide but typically does not have sufficient energy for use. This band does show use in high-energy environments such as fires. The carbon - hydrogen stretch is very common in this region.

An Imperx mapping camera (29 mega pixels; mapping focal plane array) is concurrently operated as part of all chemical collections. These images are often digitally processed in lower resolution, so they can be transmitted via satellite communication. All imagery is geo-rectified using both aircraft attitude correction (pitch, yaw, and roll) and GPS positional information. Imagery can be processed while in flight or approximately 600 frames per hour can be processed once the data are downloaded from the aircraft. The high-resolution images (>20 MB each) are pulled from the ASPECT after the sortie and are available later.

All aerial photographic images collected by the ASPECT system are ortho-rectified and geospatially validated by the scientific reach back team. In general, this consists of conducting geo-registration using a USGS Digital Elevation Model (DEM) which promotes superior pixel computation and lessens topographic distortion. The image is checked by the team (using a Google Earth base map) for proper location and rotation.

Airborne radiological measurements are conducted using three fully integrated multi-crystal sodium iodide (NaI) RSX4 gamma ray spectrometers. Each RSX4 spectrometer contains four 4"x2"x16" doped NaI crystals each having an independent photomultiplier/spectrometer assembly. One RSX unit is configured with an additional upward NaI crystal utilized to provide real-time cosmic ray correction. Count and energy data from each crystal and pack is combined using a self-calibrating signal processor to generate a virtual detector output. All radiological spectrometer "packs" are further combined using a signal console controlled by the on-board central computer in the aircraft. Altitude correction data is provided by a radar altimeter with internal GPS systems within the packs serving as a backup. It should be noted that no radiological measurements were conducted on this mission.

Data is processed using automated algorithms onboard the aircraft with preliminary results being sent using a satellite system to the ASPECT scientific reach back team for QA/QC analysis. Upon landing, preliminary data results are examined and validated by the

scientific reach back team.

Table 1. ASPECT Automated Compounds

This table contains ASPECT's library of automated compounds.

Detection limits are for each chemical is found in parenthesis in units of parts per million (ppm)

Acetic Acid (2.0)	Cumene (23.1)	Isoprene (6.5)	Phosphine (8.3)
Acetone (5.6)	Diborane (5.0)	Isopropanol (8.5)	Phosphorus Oxychloride (2.0)
Acrolein (8.8)	1,1-Dichloroethene (3.7)	Isopropyl Acetate (0.7)	Propyl Acetate (0.7)
Acrylonitrile (12.5)	Dichloromethane (6.0)	MAPP (3.7)	Propylene (3.7)
Acrylic Acid (3.3)	Dichlorodifluoromethane (0.7)	Methyl Acetate (1.0)	Propylene Oxide (6.8)
Allyl Alcohol (5.3)	1,1-Difluoroethane (0.8)	Methyl Acrylate (1.0)	Silicon Tetrafluoride (0.2)
Ammonia (2.0)	Difluoromethane (0.8)	Methyl Ethyl Ketone (7.5)	Sulfur Dioxide (15)
Arsine (18.7)	Ethanol (6.3)	Methanol (5.4)	Sulfur Hexafluoride (0.07)
Bis-Chloroethyl Ether (1.7)	Ethyl Acetate (0.8)	Methylbromide (60)	Sulfur Mustard (6.0)
Boron Tribromide (0.2)	Ethyl Acrylate (0.8)	Methylene Chloride (1.1)	Sulfuryl Fluoride (1.5)
Boron Trifluoride (5.6)	Ethyl Formate (1.0)	Methyl Methacrylate (3.0)	Tetrachloroethylene (10)
1,3-Butadiene (5.0)	Ethylene (5.0)	MTEB (3.8)	1,1,1-Trichloroethane (1.9)
1-Butene (12.0)	Formic Acid (5.0)	Naphthalene (3.8)	Trichloroethylene (2.7)
2-Butene (18.8)	Freon 134a (0.8)	n-Butyl Acetate (3.8)	Trichloromethane (0.7)
Carbon Tetrachloride (0.2)	GA (Tabun) (0.7)	n-Butyl Alcohol (7.9)	Triethylamine (6.2)
Carbonyl Fluoride (0.8)	GB (Sarin) (0.5)	Nitric Acid (5.0)	Triethylphosphate (0.3)
Carbon Tetrafluoride (0.1)	Germane (1.5)	Nitrogen Mustard (2.5)	Trimethylamine (9.3)
Chlorodifluoromethane (0.6)	Hexafluoroacetone (0.4)	Nitrogen Trifluoride (0.7)	Trimethyl Phosphite (0.4)
Chloromethane (12)	Isobutylene (15)	Phosgene (0.5)	Vinyl Acetate (0.6)

Message

From: Argenta, Edward [Argenta.Edward@epa.gov]
Sent: 9/6/2021 4:36:43 AM
To: McKown, Cody [cody.mckown@fema.dhs.gov]; Russell, Glen [glen.russell@fema.dhs.gov]; Mak, Morgan [morgan.mak@fema.dhs.gov]; Herr, Kevin N LT USCG SOUTHCOM JIATFS J2 (USA) [Kevin.N.Herr@uscg.mil]
CC: R6 RRC [R6_RRC@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]; Mekeel, Edward [mekeel.edward@epa.gov]; Fisher, Bray [fisher.kelsey@epa.gov]; Honnellio, Anthony [Honnellio.Anthony@epa.gov]; Moore, Gary [Moore.Gary@epa.gov]; Taylor, Jillianne [Taylor.Jillianne@epa.gov]; Pandey, Siddharth (CTR) [siddharth.pandey@associates.fema.dhs.gov]; Perovich, Gina [Perovich.Gina@epa.gov]; Jakabhazy, Elise [Jakabhazy.Elise@epa.gov]
Subject: EPA ASPECT Mission Plan for Hurricane Ida Response - 20210906
Attachments: FEMA_20210906_EPA_Ida_Response.pptx

All,

Please find the attached summary of EPA ASPECT activities as of 20210905 related to our support to the Hurricane Ida response. Please note, the slide has changed and we have symbolized the dates we performed our initial screening of the LDEQ& EPA priority facilities. EPA ASPECT has 1 site remaining on our POI list and plans to perform additional data collects on high priority facilities or additional POIs on 09/06/2021. Weather may impact our operations on 09/06/2021.

Respectfully,
Ed

Edward Argenta Jr
Branch Chief
Field Operations Branch
CBRN Consequence Management Advisory Division
Office of Emergency Management
Argenta.edward@epa.gov
Gov't Mobile: 202.843.4511
Office #: 202.564.4528
Office: WJC-N - B517R

From: Argenta, Edward
Sent: Saturday, September 4, 2021 11:58 PM
To: 'McKown, Cody' <cody.mckown@fema.dhs.gov>; 'Russell, Glen' <glen.russell@fema.dhs.gov>
Cc: R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Mekeel, Edward <mekeel.edward@epa.gov>; Fisher, Bray <fisher.kelsey@epa.gov>; Honnellio, Anthony <Honnellio.Anthony@epa.gov>; Moore, Gary <moore.gary@epa.gov>; Taylor, Jillianne <Taylor.Jillianne@epa.gov>; 'Pandey, Siddharth (CTR)' <siddharth.pandey@associates.fema.dhs.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Jakabhazy, Elise <Jakabhazy.Elise@epa.gov>
Subject: EPA ASPECT Mission Plan for Hurricane Ida Response - 20210905

Please see the attached summary slide for 9/4 execution and 9/5 plan. We successfully screened 19 locations on 9/4 and will attempt to get to ~25 sites on 9/5.

Thanks,
Ed

Edward Argenta Jr
Branch Chief
Field Operations Branch

CBRN Consequence Management Advisory Division
Office of Emergency Management
Argenta.edward@epa.gov
Gov't Mobile: 202.843.4511
Office #: 202.564.4528
Office: WJC-N - B517R

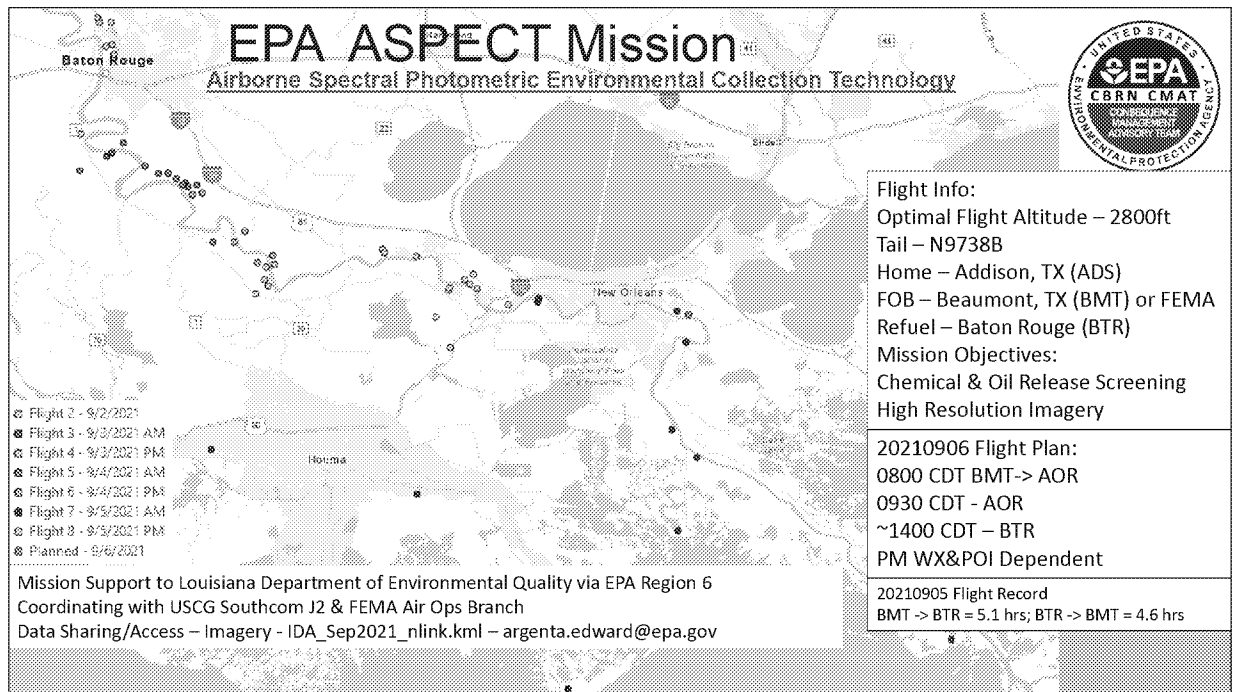
From: Argenta, Edward
Sent: Friday, September 3, 2021 11:14 PM
To: McKown, Cody <cody.mckown@fema.dhs.gov>; Russell, Glen <glen.russell@fema.dhs.gov>
Cc: R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Mekeel, Edward <mekeel.edward@epa.gov>; Fisher, Bray <fisher.kelsey@epa.gov>; Honnellio, Anthony <Honnellio.Anthony@epa.gov>; Moore, Gary <moore.gary@epa.gov>; Taylor, Jillianne <Taylor.Jillianne@epa.gov>; Pandey, Siddharth (CTR) <siddharth.pandey@associates.fema.dhs.gov>; Perovich, Gina <Perovich.Gina@epa.gov>
Subject: EPA ASPECT Mission Plan for Hurricane Ida Response - 20210904

Hi All,

Please find the attached slide which summarizes what we accomplished to date (black icons), our plan for 20210904 (blue icons), and the remaining facilities to screen (red/orange icons). You'll find our planned flight times and record of today's(20210903) flight hours. If you'd like this information in a different method/format or would benefit from a table of GPS locations for our planned activities please let me know.

Respectfully,
Ed

Edward Argenta Jr
Branch Chief
Field Operations Branch
CBRN Consequence Management Advisory Division
Office of Emergency Management
Argenta.edward@epa.gov
Gov't Mobile: 202.843.4511
Office #: 202.564.4528
Office: WJC-N - B517R



Cessna 208B Super Cargo Master Platform - Addison, TX

Range/Aloft Time: Range 1,200 NM; Aloft Time 4 – 6 hours

- An Infrared Line Scanner to image chemical plumes
- A High Speed Infrared Spectrometer to identify and quantify the composition of the chemical plume in the ppb to ppm range
- Gamma-Ray Spectrometer for radiation detection and isotope identification
- Neutron Detection System for enhanced radiological detection
- High resolution digital cameras (aerial & oblique) with ability to rectify for inclusion into GIS
- Broadband Satellite Data System (SatCom)

Message

From: Acevedo, Janie [Acevedo.Janie@epa.gov]
Sent: 9/6/2021 9:13:56 PM
To: R6 RRC [R6_RRC@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]; Moore, Gary [Moore.Gary@epa.gov]; Adams, Adam [Adams.Adam@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]; Petersen, Chris [petersen.chris@epa.gov]
CC: Assunto, Carmen [Assunto.Carmen@epa.gov]
Subject: FW: ACTION - Follow-up media inquiry from Times-Picayune

Importance: High

Can you provide me links to LDEQs response site that shows all their air monitoring work to add to this response?

DRAFT RESPONSE: ASPECT maps and summaries can be viewed at <https://response.epa.gov/HurricaneIda>. EPA is coordinating with LDEQ in assessing priority facilities and ASPECT will continue until they are complete. We continue to follow-up on some oil spills and ongoing air releases at ExxonMobil Baton Rouge and Shell Norco.

Thanks,
Janie

From: Schleifstein, Mark <mschleifstein@theadvocate.com>
Sent: Monday, September 6, 2021 1:58 PM
To: Acevedo, Janie <Acevedo.Janie@epa.gov>
Subject: RE: EPA response to Ida

So can you tell me what EPA is chasing after in Louisiana?
Are there any results yet from Aspect flites (did I get the name right?). Are there any specific facilities that you are investigating, targeting, including the Norco complex, ExxonMobil in Baton Rouge. Shell Norco has said they are doing fenceline and community monitoring and reporting the results to EPA, so interested in anything popping up there, too.

Mark Schleifstein
Environment reporter
mschleifstein@theadvocate.com
The Times-Picayune | The New Orleans Advocate
840 St. Charles Ave.
New Orleans LA 70130
Mobile: 504.717.1157
Home: 504.887.5331

<image001.png>

From: Acevedo, Janie <Acevedo.Janie@epa.gov>
Sent: Monday, September 6, 2021 1:04 PM
To: Schleifstein, Mark <mschleifstein@theadvocate.com>
Cc: HQ EOC Public Information Officer <HQ_PIO@epa.gov>; Assunto, Carmen <Assunto.Carmen@epa.gov>; Sauerhage, Maggie <Sauerhage.Maggie@epa.gov>
Subject: RE: EPA response to Ida

Mark,

Thank you for your patience. Here is our response to your question.

The LDEQ, LOSCO, LSP, USCG, and EPA are working together and have been coordinating prior to and after the landfall of Hurricane Ida. We continue to have daily calls to discuss impacts from the Hurricane. The EPA is following up on spills within our area of responsibility (AOR) to ensure that the PRP is performing cleanup actions. The majority of the spills cited below are within the USCG AOR. The EPA will continue to be engaged with this interagency Team to address the pollution targets.

Thank you,

Janie Acevedo-Beauchamp
Staff Director,
Intergovernmental, Congressional, Multimedia and Press
Office of External Affairs
Region 6 – Dallas
214-665-2120
<image002.png>
<image003.jpg>
<image004.jpg>

From: Sauerhage, Maggie <Sauerhage.Maggie@epa.gov>
Sent: Sunday, September 5, 2021 8:22 PM
To: Schleifstein, Mark <mschleifstein@theadvocate.com>
Cc: Grantham, Nancy <Grantham.Nancy@epa.gov>; Acevedo, Janie <Acevedo.Janie@epa.gov>; Assunto, Carmen <Assunto.Carmen@epa.gov>; Durant, Jennah <Durant.Jennah@epa.gov>
Subject: RE: EPA response to Ida

Good evening Mark,

Adding our folks here who can help get an answer to your questions.

Thanks,
Maggie

Maggie Sauerhage (she/her)
Office of Science Advisor Policy and Engagement
Office of Research and Development
U.S. Environmental Protection Agency
Office: (202) 564-0443
Cell: (202) 704-6352

From: Schleifstein, Mark <mschleifstein@theadvocate.com>
Sent: Sunday, September 05, 2021 6:40 PM
To: Sauerhage, Maggie <Sauerhage.Maggie@epa.gov>
Subject: RE: EPA response to Ida

Maggie,

Here's the biggest batch of spills listed by DEQ . You guys have info on any of these, and are you participating in the pollution response team being stood up in Baton Rouge, with Capt. Luttrell as FOSC?

Witt O'Brien's:

			29 59.9N, 90 27.0W, Bonnet Carre			
	1315132; 21- 04011	Witt O'Briens/Unknown	Anchorage Latitude: 29° 04' 55" N, Longitude: 089° 12' 32" W	Orleans	Sheen from unknown source	sheen
*8/30/21						
	1315457; 21- 04063; 1315531; 1315533;	Witt O'Briens/Whitney Oil & Gas		Plaquemines	Potential release: oil service barge stuck in sand	diesel, unknown oil
*9/01/21						
	1315534	Witt O'Briens/Cantium	GOM various locations	Plaquemines	3 facilities in state waters knocked down by Ida	None
*9/01/21						
	1315627; 21- 04081	Witt O'Briens/Whitney Oil & Gas	Lat 29 09 23N, Long - 89 09 53W, GOM	Plaquemines	Sheen from unknown source into GOM	unknown oil
*9/02/21						

Hilcorp:

			Terrebonne Bayou Well Caillou Island			
	21- 04034	Hilcorp Energy		Terrebonne	Sheen discovered at the well head Release from a heater treater on process vessel on platform	sheen
*9/01/21						
	1315403	Hilcorp	Lake Barre Central Facility	Terrebonne		crude oil
*9/01/21						
	21- 04036	Hilcorp Energy	Lake Beray Central Facility	Terrebonne	Crude oil release from storm	crude oil
*9/01/21						
	1315429	Hilcorp Energy/Unknown	Latitude: 29° 35' 17" N, Longitude: 090° 03' 23" W	Jefferson	leaking well head damaged tank	crude oil
*9/01/21						
	1315431	Hilcorp Energy/Unknown	Latitude: 29° 35' 10"	Jefferson	battery	crude oil
*9/01/21						

			N, Longitude: 090° 03' 34" W Latitude: 29° 22' 44"				
*9/01/21	1315434	Hilcorp Energy/Unknown	089° 47' 08" W Latitude: 29° 28' 13"	Plaquemines	Release into Lake Grand De Caille	crude oil	
*9/01/21	1315436	Hilcorp Energy/Unknown	089° 58' 06" W Latitude: 29° 08' 01"	Plaquemines	Release from a facility	crude oil	
*9/01/21	1315438	Hilcorp Energy/Unknown	089° 23' 15" W	Plaquemines	Release to Tiger Pass Canal	crude oil	
*9/01/21	21- 04047	Hilcorp Energy	Well LL&E #153	Jefferson	Damaged well tree caused leak	crude oil	x
*9/01/21	21- 04050	Hilcorp Energy	CF 6 Tank Battery Facility	Jefferson	Damaged tank; light gray sheen	crude oil	
*9/01/21	21- 04051	Hilcorp Energy	6700 Manila Village Central Production Facility	Plaquemines	Product released to Lake Ecaille	crude oil	
*9/01/21	21- 04052	Hilcorp Energy	Facility	Plaquemines	Damaged tank; light gray sheen	crude oil	
*9/01/21	21- 04053	Hilcorp Energy	Westbay Central Lat. 29 28 15N, -90 36 22W, HRU platform, unnamed canal	Plaquemines	Damaged to facilty; sheen.	crude oil	
*9/03/21	1315733; 21- 04154	Hilcorp Energy	Lat. 29 06 43N, Long. - 90 32 45W, Terrebonne Bay	Terrebonne	Crude oil release from damaged platform discovered during overflight	crude oil	
*9/03/21	1315734 21-	Hilcorp Energy	Lat.	Terrebonne	crude oil discharged from a well head	crude oil	
*9/03/21	04155	Hilcorp Energy	29.11183N,	Terrebonne	Sheen near well site into	crude oil	

Long. -
90.54583W,
near
Cocodrie

Terrebonne Bay
discovered during
overflight

Clean Gulf Associates:

Date	ID	Company	Location	Source	Notes
*8/31/21	1315294	Clean Gulf/Unknown	Lat. 29.05.31N, Long. - 90.11.47W Bay Marchand area	Plaquemines	Sheen from unknown source sheen
*8/31/21	1315295	Clean Gulf/Unknown	Lat. 29.01.33N, Long. - 90.15.57W Bay Marchand area	Plaquemines	Sheen from unknown source sheen
*8/31/21	1315296	Clean Gulf/Unknown	Lat. 29.03.40N, Long. - 90.18.41W Bay Marchand area	Plaquemines	Sheen from unknown source sheen
*9/03/21	1315743	Clean Gulf/Unknown	Lat. 28 55 47N, Long. -90 10 42W South Timbalier	Lafourche	sheen from unknown source in the GOM sheen
*9/03/21	1315744	Clean Gulf/Unknown	Lat. 29 04 12N, Long -90 10 12W Bay Marchand	Lafourche	sheen from unknown source in the GOM sheen
*9/03/21	1315745	Clean Gulf/Unknown	Lat. 29 02 14N, Long -90 11 25W Bay Marchand	Lafourche	sheen from unknown source in the GOM sheen

Shell Pipeline:

Date	ID	Company	Location	Source	Notes
*9/02/21	1315603	Shell Pipeline/Unknown	Lat. 28 38 27N, Long. - 90 27 21W	Terrebonne	Sheen - source unknown - discovered during flyover unknown oil

*9/02/21	1315606	Shell Pipeline/Unknown	Lat 29 03 00N, Long -90 13 12W, GOM	Lafourche	Sheen - source unknown - discovered during flyover	unknown oil
*9/02/21	1315607	Shell Pipeline/Unknown	Lat. 29 05 22, Long -90 11 54W	Lafourche	Sheen - source unknown - discovered during flyover	unknown oil
*9/02/21	1315609	Shell Pipeline/Unknown	Lat. 29 12 49N, Long. - 90 29 18W, GOM	Terrebonne	Sheen - source unknown - discovered during flyover	unknown oil

Forefront:

*8/31/21	1315265; 21-03985	Forefront/Texas Petroleum	Colvelly Field Central Facility	Lafourche	Tank batteries knocked down	crude oil	x
*8/31/21	1315271; 21-03988	Forefront/Perdido	Lat. 29.24029, Long. - 90.211998, Leeville	Lafourche	Sheen in flood waters from tank battery 1 at facility	oil	
*8/31/21	1315279; 21-03992	Forefront/Texas Petroleum	29.24554; 89.19925 Delta Duck, Venice	Plaquemines	Sheen from unknown source	sheen	
*8/31/21	1315285	Forefront/Texas Petroleum	29.990715, - 90.400083	Terrebonne	Sheen from unknown source	sheen	
*9/01/21	1315386	Forefront/Third Coast Midstream	29.475N, 89.588W Auguste Bay, Port Sulphur	Plaquemines	Bubbles discovered; small leak from transmission pipeline wind blew crude oil into waste which breeched cell	natural gas	
*9/01/21	21-04027	Forefront/R360 Environmental Solutions	Bourg Treatment facility, near Houma	Terrebonne	tank damage caused slow release	EMP waste, crude oil	
*9/01/21	21-04039; 1315419	Forefront/Perdido	Tank Battery 16, Leeville Field	Lafourche	Missing barge carrying approx. 1000 bbls. Of crude	crude oil (jpotential release)	x
*9/02/21	21-04074; 1315593	Forefront/Expert Oil/Chevron (complaint)	Lake Salvador	St. Charles			

*9/02/21	21-04084	Forefront/S2 Energy Operating	off Hwy 56, near Lake Quitman near Robinson Canal, Cocodrie	Terrebonne	Spill found during flyover at what may be a tank battery facility 2 large tanks leaked, most to secondary containment Potential release; oil barge hit platform & storage tank went into the water.	crude oil
*9/03/21	21-04148	Forefront/Cajun Iron Workers	120 17th St., Golden Meadow	Lafourche		engine oil
*9/03/21	21-04152; 1315739	Forefront/Expert Oil	Lat. 29.703333N, Long. - 90.257778W, near Jean Lafitte	St. Charles		crude oil

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840 St. Charles Ave.
New Orleans LA 70130
Mobile: 504.717.1157
Home: 504.887.5331

<image001.png>

From: Sauerhage, Maggie <Sauerhage.Maggie@epa.gov>
Sent: Thursday, September 2, 2021 5:10 PM
To: Schleifstein, Mark <mschleifstein@theadvocate.com>
Cc: EPA Press Office <Press@epa.gov>
Subject: RE: EPA response to Ida

Hi Mark,

Sorry we've missed your deadline but wanted to get you the below information. Please let us know if you have additional questions. Thank you!

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ASPECT aircraft – the Agency’s airborne real-time chemical and radiological detection, infrared and photographic imagery platform – was activated today to support the state of Louisiana. ASPECT is generating data on a list of priority sites identified by the state of Louisiana.

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Maggie Sauerhage (she/her)
Office of Science Advisor Policy and Engagement
Office of Research and Development
U.S. Environmental Protection Agency
Office: (202) 564-0443
Cell: (202) 704-6352

From: Schleifstein, Mark <mschleifstein@theadvocate.com>
Sent: Thursday, September 02, 2021 4:35 PM
To: Sauerhage, Maggie <Sauerhage.Maggie@epa.gov>
Subject: RE: EPA response to Ida

Very quick. I have to have story in by 4:30, as we have print deadline of 5 because of power issues.

Mark Schleifstein
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Home: 504.887.5331

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From: Sauerhage, Maggie <Sauerhage.Maggie@epa.gov>
Sent: Thursday, September 2, 2021 3:33 PM
To: Jones, Enesta <Jones.Enesta@epa.gov>; Schleifstein, Mark <mschleifstein@theadvocate.com>
Cc: EPA Press Office <Press@epa.gov>; HQ EOC Public Information Officer <HQ_PIO@epa.gov>; Thomas,

Latosha <Thomas.Latosha@epa.gov>

Subject: RE: EPA response to Ida

Thanks Mark – can you share your deadline please?

Maggie Sauerhage (she/her)
Office of Science Advisor Policy and Engagement
Office of Research and Development
U.S. Environmental Protection Agency
Office: (202) 564-0443
Cell: (202) 704-6352

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Sent: Thursday, September 02, 2021 4:30 PM

To: Schleifstein, Mark <mschleifstein@theadvocate.com>

Cc: Sauerhage, Maggie <Sauerhage.Maggie@epa.gov>; EPA Press Office <Press@epa.gov>; HQ EOC Public Information Officer <HQ_PIO@epa.gov>; Thomas, Latosha <Thomas.Latosha@epa.gov>

Subject: Re: EPA response to Ida

Hi Mark,
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Thanks,
Enesta

On Sep 2, 2021, at 4:25 PM, Schleifstein, Mark
<mschleifstein@theadvocate.com> wrote:

<image001.gif>

Enesta,

Looking for any and all info that might be available about assessments of damage/environmental issues for Ida in Louisiana/offshore. National Response Center hasn't posted anything since Sunday. There is major flaring going on at numerous facilities along the river between New Orleans and Baton Rouge, and there have been reports of several spills offshore, with no details by Witts/O'Brien to Louisiana DEQ. DEQ has set up a temporary MAML surveillance lab in Norco, but no data yet. They have teams on the ground surveying thru the state, but again, no real data yet.

Does EPA have any similar teams out? Any overflights sniffing for emissions? Any other stuff going on?

Any assistance would be greatly appreciated.

Mark Schleifstein
Environment reporter

mschleifstein@theadvocate.com

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New Orleans LA 70130

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Home: 504.887.5331

<image002.png>

Message

From: Moore, Gary [Moore.Gary@epa.gov]
Sent: 9/6/2021 10:55:08 PM
To: Acevedo, Janie [Acevedo.Janie@epa.gov]; R6 RRC [R6_RRC@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]; Adams, Adam [Adams.Adam@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]; Petersen, Chris [petersen.chris@epa.gov]
CC: Assunto, Carmen [Assunto.Carmen@epa.gov]
Subject: RE: ACTION - Follow-up media inquiry from Times-Picayune

<https://airquality.deq.louisiana.gov/Data/Site/MAML1/Date/2021-09-02>

From: Acevedo, Janie <Acevedo.Janie@epa.gov>
Sent: Monday, September 6, 2021 4:14 PM
To: R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>
Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>
Subject: FW: ACTION - Follow-up media inquiry from Times-Picayune
Importance: High

Can you provide me links to LDEQs response site that shows all their air monitoring work to add to this response?

DRAFT RESPONSE: ASPECT maps and summaries can be viewed at <https://response.epa.gov/HurricaneIda>. EPA is coordinating with LDEQ in assessing priority facilities and ASPECT will continue until they are complete. We continue to follow-up on some oil spills and ongoing air releases at ExxonMobil Baton Rouge and Shell Norco.

Thanks,
Janie

From: Schleifstein, Mark <mschleifstein@theadvocate.com>
Sent: Monday, September 6, 2021 1:58 PM
To: Acevedo, Janie <Acevedo.Janie@epa.gov>
Subject: RE: EPA response to Ida

So can you tell me what EPA is chasing after in Louisiana?
Are there any results yet from Aspect flites (did I get the name right?). Are there any specific facilities that you are investigating, targeting, including the Norco complex, ExxonMobil in Baton Rouge. Shell Norco has said they are doing fenceline and community monitoring and reporting the results to EPA, so interested in anything popping up there, too.

Mark Schleifstein
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Home: 504.887.5331

<image001.png>

From: Acevedo, Janie <Acevedo.Janie@epa.gov>
Sent: Monday, September 6, 2021 1:04 PM
To: Schleifstein, Mark <mschleifstein@theadvocate.com>
Cc: HQ EOC Public Information Officer <HQ_PIO@epa.gov>; Assunto, Carmen <Assunto.Carmen@epa.gov>; Sauerhage, Maggie <Sauerhage.Maggie@epa.gov>
Subject: RE: EPA response to Ida

Mark,

Thank you for your patience. Here is our response to your question.

The LDEQ, LOSCO, LSP, USCG, and EPA are working together and have been coordinating prior to and after the landfall of Hurricane Ida. We continue to have daily calls to discuss impacts from the Hurricane. The EPA is following up on spills within our area of responsibility (AOR) to ensure that the PRP is performing cleanup actions. The majority of the spills cited below are within the USCG AOR. The EPA will continue to be engaged with this interagency Team to address the pollution targets.

Thank you,

Janie Acevedo-Beauchamp
Staff Director,
Intergovernmental, Congressional, Multimedia and Press
Office of External Affairs
Region 6 – Dallas
214-665-2120
<image002.png>
<image003.jpg>
<image004.jpg>

From: Sauerhage, Maggie <Sauerhage.Maggie@epa.gov>
Sent: Sunday, September 5, 2021 8:22 PM
To: Schleifstein, Mark <mschleifstein@theadvocate.com>
Cc: Grantham, Nancy <Grantham.Nancy@epa.gov>; Acevedo, Janie <Acevedo.Janie@epa.gov>; Assunto, Carmen <Assunto.Carmen@epa.gov>; Durant, Jennah <Durant.Jennah@epa.gov>
Subject: RE: EPA response to Ida

Good evening Mark,

Adding our folks here who can help get an answer to your questions.

Thanks,
Maggie

Maggie Sauerhage (she/her)
Office of Science Advisor Policy and Engagement
Office of Research and Development
U.S. Environmental Protection Agency

Office: (202) 564-0443
Cell: (202) 704-6352

From: Schleifstein, Mark <mschleifstein@theadvocate.com>

Sent: Sunday, September 05, 2021 6:40 PM

To: Sauerhage, Maggie <Sauerhage.Maggie@epa.gov>

Subject: RE: EPA response to Ida

Maggie,

Here's the biggest batch of spills listed by DEQ . You guys have info on any of these, and are you participating in the pollution response team being stood up in Baton Rouge, with Capt. Luttrell as FOSC?

Witt O'Brien's:

			29 59.9N, 90 27.0W, Bonnet Carre		Sheen from	
*8/30/21	1315132; 21- 04011	Witt O'Briens/Unknown	Anchorage Latitude: 29° 04' 55" N, Longitude: 089° 12' 32" W	Orleans	unknown source	sheen
*9/01/21	1315457 21- 04063; 1315531; 1315533;	Witt O'Briens/Whitney Oil & Gas		Plaquemines	Potential release: oil service barge stuck in sand	diesel, unknown oil
*9/01/21	1315534	Witt O'Briens/Cantium	GOM various locations	Plaquemines	3 facilities in state waters knocked down by Ida	None
*9/02/21	1315627; 21- 04081	Witt O'Briens/Whitney Oil & Gas	Lat 29 09 23N, Long - 89 09 53W, GOM	Plaquemines	Sheen from unknown source into GOM	unknown oil

Hilcorp:

*9/01/21	21- 04034	Hilcorp Energy	Terrebonne Bayou Well Caillou Island	Terrebonne	Sheen discovered at the well head Release from a heater treater on process vessel on platform	sheen
*9/01/21	1315403	Hilcorp	Lake Barre Central Facility	Terrebonne		crude oil

*9/01/21	21-04036	Hilcorp Energy	Lake Beray Central Facility Latitude: 29° 35' 17" N, Longitude: 090° 03' 23" W	Terrebonne	Crude oil release from storm	crude oil	
*9/01/21	1315429	Hilcorp Energy/Unknown	Latitude: 29° 35' 10" N, Longitude: 090° 03' 34" W	Jefferson	leaking well head	crude oil	
*9/01/21	1315431	Hilcorp Energy/Unknown	Latitude: 29° 22' 44" N, Longitude: 089° 47' 08" W	Jefferson	damaged tank battery	crude oil	
*9/01/21	1315434	Hilcorp Energy/Unknown	Latitude: 29° 28' 13" N, Longitude: 089° 58' 06" W	Plaquemines	Release into Lake Grand De Caille	crude oil	
*9/01/21	1315436	Hilcorp Energy/Unknown	Latitude: 29° 08' 01" N, Longitude: 089° 23' 15" W	Plaquemines	Release from a facility	crude oil	
*9/01/21	1315438	Hilcorp Energy/Unknown	Well LL&E #153	Plaquemines	Release to Tiger Pass Canal	crude oil	
*9/01/21	21-04047	Hilcorp Energy	CF 6 Tank	Jefferson	Damaged well tree caused leak	crude oil	x
*9/01/21	21-04050	Hilcorp Energy	Battery Facility	Jefferson	Damaged tank; light gray sheen	crude oil	
*9/01/21	21-04051	Hilcorp Energy	6700 Manila Village Central Production Facility	Plaquemines	Product released to Lake Ecaille	crude oil	
*9/01/21	21-04052	Hilcorp Energy	Westbay Central	Plaquemines	Damaged tank; light gray sheen	crude oil	
*9/01/21	21-04053	Hilcorp Energy	Central	Plaquemines	Damaged to facility; sheen.	crude oil	

*9/03/21	1315733; 21- 04154	Hilcorp Energy	Lat. 29 28 15N, -90 36 22W, HRU platform, unnamed canal	Terrebonne	Crude oil release from damaged platform discovered during overflight	crude oil
*9/03/21	1315734	Hilcorp Energy	Lat. 29 06 43N, Long. - 90 32 45W, Terrebonne Bay	Terrebonne	crude oil discharged from a well head	crude oil
*9/03/21	21- 04155	Hilcorp Energy	Lat. 29.11183N, Long. - 90.54583W, near Cocodrie	Terrebonne	Sheen near well site into Terrebonne Bay discovered during overflight	crude oil

Clean Gulf Associates:

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Cc: EPA Press Office <Press@epa.gov>; HQ EOC Public Information Officer <HQ_PIO@epa.gov>; Thomas, Latosha <Thomas.Latosha@epa.gov>

Subject: RE: EPA response to Ida

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Sent: Thursday, September 02, 2021 4:30 PM

To: Schleifstein, Mark <mschleifstein@theadvocate.com>

Cc: Sauerhage, Maggie <Sauerhage.Maggie@epa.gov>; EPA Press Office <Press@epa.gov>; HQ EOC Public Information Officer <HQ_PIO@epa.gov>; Thomas, Latosha <Thomas.Latosha@epa.gov>

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Mark Schleifstein

Environment reporter

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New Orleans LA 70130

Mobile: 504.717.1157

Home: 504.887.5331

<image002.png>

Message

From: Murphy, Mark S. [Murphy.MarkS@epa.gov]
Sent: 9/6/2021 6:56:12 PM
To: Robb Wright [robb.wright@noaa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]; Rosenbaum, Barbara [Rosenbaum.Barbara@epa.gov]
CC: Brandi Todd - NOAA Federal [brandi.todd@noaa.gov]; Mark White [mwhite@researchplanning.com]; Loesel, Matthew [loesel.matthew@epa.gov]; Patel, Anish [patel.anish@epa.gov]; Roff, Nicholas [Roff.Nicholas@epa.gov]; GEOServices [GEOServices@epa.gov]
Subject: RE: Contact for Processing ASPECT Imagery for Hurricane Ida

Good to Robb,

Flights 7 and 8 just went up within the last hour or so, FYI.

Thanks,
Mark

Mark Murphy
EPA National Geospatial Support Team (NGST)
GDIT
951-252-4325
Murphy.MarkS@epa.gov

From: Robb Wright <robb.wright@noaa.gov>
Sent: Monday, September 6, 2021 2:10 PM
To: Delgado, Eric <Delgado.Eric@epa.gov>; Rosenbaum, Barbara <Rosenbaum.Barbara@epa.gov>
Cc: Brandi Todd - NOAA Federal <brandi.todd@noaa.gov>; Mark White <mwhite@researchplanning.com>; Loesel, Matthew <loesel.matthew@epa.gov>; Murphy, Mark S. <Murphy.MarkS@epa.gov>; Patel, Anish <patel.anish@epa.gov>; Roff, Nicholas <Roff.Nicholas@epa.gov>; GEOServices <GEOServices@epa.gov>
Subject: Re: Contact for Processing ASPECT Imagery for Hurricane Ida

Thanks all - the ASPECT imagery comes into ERMA well. We'll get the remaining flight in today. A lot of vessels have been cleaned up/moved, so this is interesting where we have overlap.

Robb



On 9/6/2021 11:29 AM, Delgado, Eric wrote:

Nick,

Can you and Brandi set up a call between Weston and RPI so they can discuss the technical issues?

Then we can let Barb know how to proceed.

Thanks

Sent from my iPhone

On Sep 6, 2021, at 10:13 AM, Rosenbaum, Barbara <Rosenbaum.Barbara@epa.gov> wrote:

Hi Eric and Brandi –

We will add Brandi to the EPA GeoPlatform Online as a collaborator and add her to the Hurricane Ida group.

Just to clarify – are we adding Mark White and Robb Wright, also?

Adding folks as collaborator allows them access to the map and tile layer/service data and the ability to download tile packages if they would like. Collaborators will get an email from Esri to set up a password and finalize the account to get access.

Alternatively, we can put the tile packages on FTP if that would be easier.

Please let us know what is preferred.

Thanks –

Barb
Barbara Rosenbaum
EPA National Geospatial Support Team
Woolpert Inc./GDIT
541.740.1120
rosenbaum.barbara@epa.gov

From: Brandi Todd - NOAA Federal <brandi.todd@noaa.gov>
Sent: Monday, September 6, 2021 12:58 AM
To: Delgado, Eric <Delgado.Eric@epa.gov>; Mark White <mwhite@researchplanning.com>; Robb Wright <robb.wright@noaa.gov>
Cc: Loesel, Matthew <loesel.matthew@epa.gov>; Rosenbaum, Barbara <Rosenbaum.Barbara@epa.gov>; Murphy, Mark S. <Murphy.MarkS@epa.gov>; Patel, Anish <patel.anish@epa.gov>; Roff, Nicholas <Roff.Nicholas@epa.gov>
Subject: Re: Contact for Processing ASPECT Imagery for Hurricane Ida

Hi Eric, I've copied Robb and Mark here. Thanks!

On Sun, Sep 5, 2021 at 5:26 PM Delgado, Eric <Delgado.Eric@epa.gov> wrote:

Oops, sent the previous email to Brandi's old email address.

Sent from my iPad

On Sep 5, 2021, at 5:24 PM, Delgado, Eric <Delgado.Eric@epa.gov> wrote:

I'd like to make this image service available to NOAA so they can incorporate it into ERMA if they so desire.

Brandi,
Can you have RPI coordinate with us so we can get you the data?

Thanks,
Eric

Sent from my iPad

On Sep 5, 2021, at 3:39 PM, Loesel, Matthew <loesel.matthew@epa.gov> wrote:

From: Rosenbaum, Barbara
<Rosenbaum.Barbara@epa.gov>
Sent: Sunday, September 5, 2021 3:34 PM
To: Murphy, Mark S. <Murphy.MarkS@epa.gov>;
david.cook@westonsolutions.com; Patel, Anish
<patel.anish@epa.gov>
Cc: Roff, Nicholas <Roff.Nicholas@epa.gov>; Loesel,
Matthew <loesel.matthew@epa.gov>
Subject: RE: Contact for Processing ASPECT Imagery for
Hurricane Ida

Hi –

As of 4pm ET, flights 1 – 6 have been uploaded and
are available to the group Mark noted below.

If there are others we need to add to this group (see
list attached), please let us know.

Thanks –

Barb

Barbara Rosenbaum

EPA National Geospatial Support Team

Woolpert Inc./GDIT

541.740.1120

rosenbaum.barbara@epa.gov

<image002.jpg>

From: Murphy, Mark S. <Murphy.MarkS@epa.gov>
Sent: Saturday, September 4, 2021 1:54 PM
To: david.cook@westonsolutions.com; Patel, Anish

<patel.anish@epa.gov>; Rosenbaum, Barbara
<Rosenbaum.Barbara@epa.gov>
Cc: Roff, Nicholas <Roff.Nicholas@epa.gov>; Loesel,
Matthew <loesel.matthew@epa.gov>
Subject: RE: Contact for Processing ASPECT Imagery for
Hurricane Ida

Hi All,

We have caches building for all of the available flights
and will get them published as soon as they are
completed. You've been added to this group in the
GeoPlatform where all of the published content can be
found, when ready. We'll let you know when the
content is available.

Let us know if you have any questions.

Thanks,

Mark (and Barb)

Mark Murphy

EPA National Geospatial Support Team (NGST)

GDIT

951-252-4325

Murphy.MarkS@epa.gov

From: Cook, David
<David.Cook@WestonSolutions.com>
Sent: Friday, September 3, 2021 5:08 PM
To: Murphy, Mark S. <Murphy.MarkS@epa.gov>;
Patel, Anish <patel.anish@epa.gov>; Rosenbaum,
Barbara <Rosenbaum.Barbara@epa.gov>
Cc: Roff, Nicholas <Roff.Nicholas@epa.gov>; Loesel,
Matthew <loesel.matthew@epa.gov>

Subject: RE: Contact for Processing ASPECT Imagery for Hurricane Ida

GeoPlatform works.

Thanks!

David Cook

START R6 IT/Data Management Lead

Weston Solutions, Inc.

(469) 666-5505 Direct

(512) 970-8836 Cell

From: Murphy, Mark S. <Murphy.MarkS@epa.gov>
Sent: Friday, September 3, 2021 3:52 PM
To: Patel, Anish <patel.anish@epa.gov>; Rosenbaum, Barbara <Rosenbaum.Barbara@epa.gov>
Cc: Roff, Nicholas <Roff.Nicholas@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Cook, David <David.Cook@WestonSolutions.com>
Subject: RE: Contact for Processing ASPECT Imagery for Hurricane Ida

CAUTION: *External Message*****

Sounds good Anish,

Also, during the Harvey effort, we just published the visible imagery to the EPA GeoPlatform. I suspect the current need is the same but please let us know if that assumption is incorrect.

Have a nice weekend,

Mark

Mark Murphy

EPA National Geospatial Support Team (NGST)

GDIT

951-252-4325

Murphy.MarkS@epa.gov

From: Patel, Anish <patel.anish@epa.gov>
Sent: Friday, September 3, 2021 4:44 PM
To: Murphy, Mark S. <Murphy.MarkS@epa.gov>;
Rosenbaum, Barbara <Rosenbaum.Barbara@epa.gov>
Cc: Roff, Nicholas <Roff.Nicholas@epa.gov>; Loesel,
Matthew <loesel.matthew@epa.gov>;
david.cook@westonsolutions.com
Subject: RE: Contact for Processing ASPECT Imagery for
Hurricane Ida

Mark,

As per ASPECT, the data from the previous day
should be up by 8 AM everyday.

I would prefer email, perhaps with a smaller group
of people (already removed some folks in this
reply).

I will be out starting tomorrow through Tuesday.
Please coordinate with Matt Loesel and Nick Roff
(both cc'ed) until my return on Wednesday.

Thanks a bunch,

Anish Patel

Federal On Scene Coordinator (FOSC)

U.S. Environmental Protection Agency – Region 6

1201 Elm Street (SEDEC)

Dallas, TX 75270

Office: (214) 665-2288

Mobile: (469) 510-9721

From: Murphy, Mark S. <Murphy.MarkS@epa.gov>
Sent: Friday, September 3, 2021 3:29 PM
To: Patel, Anish <patel.anish@epa.gov>; Rosenbaum, Barbara <Rosenbaum.Barbara@epa.gov>; GEOServices <GEOServices@epa.gov>
Cc: david.cook@westonsolutions.com; Janine.Latham@WestonSolutions.com; Joshua Krochmal <J.Krochmal@WestonSolutions.com>; Wood, William <Wood.William@epa.gov>; Lennartz, Steve <Lennartz.Steve@epa.gov>; Richards, Tim <Richards.Tim@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Roff, Nicholas <Roff.Nicholas@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Capps, David <Capps.David@epa.gov>
Subject: RE: Contact for Processing ASPECT Imagery for Hurricane Ida

Hi Anish,

Got it. We do have one question: is there a predictable pattern of when the data will be loaded? Or do you have some idea about notifying us? We're happy to share cell numbers if texting helps.

Mark – 951-252-4325

Barb – 541-740-1120. She is on the west coast, so best to text just me if it's early.

Thanks,

Mark

Mark Murphy

EPA National Geospatial Support Team (NGST)

GDIT

951-252-4325

Murphy.MarkS@epa.gov

From: Patel, Anish <patel.anish@epa.gov>
Sent: Friday, September 3, 2021 3:49 PM
To: Murphy, Mark S. <Murphy.MarkS@epa.gov>;
Rosenbaum, Barbara <Rosenbaum.Barbara@epa.gov>;
GEOServices <GEOServices@epa.gov>
Cc: david.cook@westonsolutions.com;
Janine.Latham@WestonSolutions.com; Joshua
Krochmal <J.Krochmal@WestonSolutions.com>;
Wood, William <Wood.William@epa.gov>; Lennartz,
Steve <Lennartz.Steve@epa.gov>; Richards, Tim
<Richards.Tim@epa.gov>; Loesel, Matthew
<loesel.matthew@epa.gov>; Roff, Nicholas
<Roff.Nicholas@epa.gov>; Delgado, Eric
<Delgado.Eric@epa.gov>; Capps, David
<Capps.David@epa.gov>
Subject: RE: Contact for Processing ASPECT Imagery for
Hurricane Ida

Barb and Mark

See below. This is the site for the ASPECT
data. User and PW below.

host: ftp.epaaspect2.net

user: ida@epaaspect2.net

password: HurricaneIDAEPA!

port: 21

Let me know if you have any questions.

Anish Patel

Federal On Scene Coordinator (FOSC)

U.S. Environmental Protection Agency – Region 6

1201 Elm Street (SEDEC)

Dallas, TX 75270

Office: (214) 665-2288

Mobile: (469) 510-9721

From: Murphy, Mark S. <Murphy.MarkS@epa.gov>

Sent: Friday, September 3, 2021 2:09 PM

To: Delgado, Eric <Delgado.Eric@epa.gov>; Patel, Anish <patel.anish@epa.gov>; Rosenbaum, Barbara <Rosenbaum.Barbara@epa.gov>; GEOServices <GEOServices@epa.gov>; Capps, David <Capps.David@epa.gov>

Cc: david.cook@westonsolutions.com;

Janine.Latham@WestonSolutions.com; Joshua Krochmal <J.Krochmal@WestonSolutions.com>;

Wood, William <Wood.William@epa.gov>; Lennartz, Steve <Lennartz.Steve@epa.gov>; Richards, Tim <Richards.Tim@epa.gov>

Subject: RE: Contact for Processing ASPECT Imagery for Hurricane Ida

Hi Eric and Anish,

I'm not sure if William has been in touch with you but I do know he was having some strange computer issues this morning that may impact his responsiveness. I sent him an estimate and he has already given us verbal approval to get to work on this effort. Barb and I are both ready to move on this whenever the data are ready for us.

Thanks,

Mark

Mark Murphy

EPA National Geospatial Support Team (NGST)

GDIT

951-252-4325

Murphy.MarkS@epa.gov

From: Delgado, Eric <Delgado.Eric@epa.gov>

Sent: Friday, September 3, 2021 11:30 AM

To: Murphy, Mark S. <Murphy.MarkS@epa.gov>;
Patel, Anish <patel.anish@epa.gov>; Rosenbaum,
Barbara <Rosenbaum.Barbara@epa.gov>; GEOServices
<GEOServices@epa.gov>; Capps, David
<Capps.David@epa.gov>

Cc: david.cook@westonsolutions.com;
Janine.Latham@WestonSolutions.com; Joshua
Krochmal <J.Krochmal@WestonSolutions.com>;
Wood, William <Wood.William@epa.gov>; Lennartz,
Steve <Lennartz.Steve@epa.gov>; Richards, Tim
<Richards.Tim@epa.gov>

Subject: RE: Contact for Processing ASPECT Imagery for
Hurricane Ida

I do anticipate that it would be about 3-5 days of
work. Please prepare a cost estimate and I will let you
know.

Thanks

Eric Delgado

Federal On Scene Coordinator

214.437.9809

Delgado.Eric@epa.gov

From: Murphy, Mark S. <Murphy.MarkS@epa.gov>
Sent: Friday, September 3, 2021 10:25 AM
To: Delgado, Eric <Delgado.Eric@epa.gov>; Patel, Anish <patel.anish@epa.gov>; Rosenbaum, Barbara <Rosenbaum.Barbara@epa.gov>; GEOServices <GEOServices@epa.gov>; Capps, David <Capps.David@epa.gov>
Cc: david.cook@westonsolutions.com; Janine.Latham@WestonSolutions.com; Joshua Krochmal <J.Krochmal@WestonSolutions.com>; Wood, William <Wood.William@epa.gov>; Lennartz, Steve <Lennartz.Steve@epa.gov>; Richards, Tim <Richards.Tim@epa.gov>
Subject: RE: Contact for Processing ASPECT Imagery for Hurricane Ida

Hi Eric and Anish,

It is likely that Barb Rosenbaum and I will pick up this effort like we did in the aftermath of Harvey. It was a substantial amount of work that had us both at our computers all weekend long. Do you anticipate this effort being similar in scale to Harvey? Once we have a better sense of that, we can put together an estimate for you. But this will need to go through William Wood (copied), who is the new service manager.

Thanks,

Mark

Mark Murphy

EPA National Geospatial Support Team (NGST)

GDIT

951-252-4325

Murphy.MarkS@epa.gov

From: Delgado, Eric <Delgado.Eric@epa.gov>
Sent: Friday, September 3, 2021 10:46 AM
To: Patel, Anish <patel.anish@epa.gov>; Rosenbaum, Barbara <Rosenbaum.Barbara@epa.gov>; Murphy, Mark S. <Murphy.MarkS@epa.gov>; GEOServices <GEOServices@epa.gov>; Capps, David <Capps.David@epa.gov>
Cc: david.cook@westonsolutions.com; Janine.Latham@WestonSolutions.com; Joshua Krochmal <J.Krochmal@WestonSolutions.com>
Subject: RE: Contact for Processing ASPECT Imagery for Hurricane Ida

We'll need to work out a cost estimate before we authorize any work. Once we get that, we can get you the accounting string to perform the work.

Thanks

Eric Delgado

Hurricane Ida IC

214.437.9809

Delgado.Eric@epa.gov

From: Patel, Anish <patel.anish@epa.gov>
Sent: Friday, September 3, 2021 9:43 AM
To: Rosenbaum, Barbara <Rosenbaum.Barbara@epa.gov>; Murphy, Mark S. <Murphy.MarkS@epa.gov>; GEOServices <GEOServices@epa.gov>; Capps, David <Capps.David@epa.gov>
Cc: Delgado, Eric <Delgado.Eric@epa.gov>; david.cook@westonsolutions.com; Janine.Latham@WestonSolutions.com; Joshua Krochmal <J.Krochmal@WestonSolutions.com>
Subject: RE: Contact for Processing ASPECT Imagery for Hurricane Ida

Hello Mark,

We are in the process of getting the FTP site loaded from ASPECT group. Once that is up and going, I will reach out to you again.

Also cc'ed to this email are our START contractors. They will be able to work out the technical details with you.

Thanks in advance,

Anish Patel

Federal On Scene Coordinator (FOSC)

U.S. Environmental Protection Agency – Region 6

1201 Elm Street (SEDEC)

Dallas, TX 75270

Office: (214) 665-2288

Mobile: (469) 510-9721

From: Kirkland, Robert <kirkland.robert@epa.gov>

Sent: Friday, September 3, 2021 9:21 AM

To: Delgado, Eric <Delgado.Eric@epa.gov>; Patel, Anish <patel.anish@epa.gov>

Cc: Rosenbaum, Barbara <Rosenbaum.Barbara@epa.gov>; Murphy, Mark S. <Murphy.MarkS@epa.gov>; GEOServices <GEOServices@epa.gov>; Capps, David <Capps.David@epa.gov>

Subject: Contact for Processing ASPECT Imagery for Hurricane Ida

Importance: High

Eric and Anish,

Just talked to Mark M. He will be the point of contact along with Barb for the processing of ASPECT imagery.

Bob

Robert (Bob) Kirkland

IT Services Section Chief,

GIS Coordinator

U.S. EPA Region 6, MSD-IS

1201 Elm Street, Ste 500

Dallas, TX 75270

kirkland.robert@epa.gov

214-665-6798 (Office)

469-504-6734 (Cell)

Region 6 GIS Users Group Sharepoint Site:

https://usepa.sharepoint.com/sites/r6_Work/R6_GIS_Users

EPA Geo Resources:

<https://intranet.epa.gov/gis/>

Region 6 Help Desk and Support:

<http://region6a.epa.gov/intranet/6md/helpdesk/support/index.php>

Service Now:

<https://usepa.servicenowservices.com/>

“Occurrences in this domain are beyond the reach of exact prediction because of the variety of factors in

operation, not because of any lack of order in nature.”– Albert Einstein, 1879-1955

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--

Brandi Todd
NOAA Scientific Support Coordinator
USCG District 8
New Orleans, LA
cell: 504-376-3213

--

Robb Wright
Spatial Data Branch / Assessment and Restoration Division
NOAA's Office of Response and Restoration
1305 East West Highway Room 10336
Silver Spring, MD 20910
240-533-0435 (o) 240-353-5108 (c)

Message

From: Durant, Jennah [Durant.Jennah@epa.gov]
Sent: 9/2/2021 4:38:10 PM
To: Petersen, Chris [petersen.chris@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]; R6 RRC [R6_RRC@epa.gov]; Loesel, Matthew [loesel.matthew@epa.gov]; Guidry, Randy [guidry.randy@epa.gov]
CC: Assunto, Carmen [Assunto.Carmen@epa.gov]; Moore, Gary [Moore.Gary@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]; Adams, Adam [Adams.Adam@epa.gov]
Subject: RE: ASPECT statement--need approval ASAP

David Gray wanted this highlighted change. Please let me know if this version is OK:

EPA deployed the ASPECT air monitoring plane at 11 am CDT to assess industrial targets identified by the state of Louisiana following Hurricane Ida. ASPECT, or Airborne Spectral Photometric Environmental Collection Technology, is EPA's only airborne real-time chemical and radiological detection, infrared and photographic imagery platform. Data from ASPECT will be used to determine need for further action.

From: Petersen, Chris <petersen.chris@epa.gov>
Sent: Thursday, September 2, 2021 11:03 AM
To: Durant, Jennah <Durant.Jennah@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Guidry, Randy <guidry.randy@epa.gov>
Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>
Subject: RE: ASPECT statement--need approval ASAP

Look good

From: Durant, Jennah <Durant.Jennah@epa.gov>
Sent: Thursday, September 2, 2021 11:02 AM
To: Petersen, Chris <petersen.chris@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Guidry, Randy <guidry.randy@epa.gov>
Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>
Subject: RE: ASPECT statement--need approval ASAP

Here is the revised draft I plan to share with HQ:

EPA deployed the ASPECT air monitoring plane at 11 am CDT to assess releases reported to EPA through the National Response Center following Hurricane Ida. ASPECT, or Airborne Spectral Photometric Environmental Collection Technology, is EPA's only airborne real-time chemical and radiological detection, infrared and photographic imagery platform. Data from ASPECT will be used to determine need for further action.

From: Petersen, Chris <petersen.chris@epa.gov>
Sent: Thursday, September 2, 2021 10:43 AM
To: Durant, Jennah <Durant.Jennah@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Guidry, Randy <guidry.randy@epa.gov>
Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>
Subject: RE: ASPECT statement--need approval ASAP

Sound good. Will the time be an issue if it is not right at 11am?

From: Durant, Jennah <Durant.Jennah@epa.gov>

Sent: Thursday, September 2, 2021 10:38 AM

To: Delgado, Eric <Delgado.Eric@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Guidry, Randy <guidry.randy@epa.gov>

Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>

Subject: ASPECT statement--need approval ASAP

HQ wants a statement about ASPECT's deployment ASAP. Here is a rough draft, let me know what to change/add:

At the request of FEMA and the state of Louisiana, EPA deployed the ASPECT air monitoring plane at 11 am CDT to assist with assessing air quality and potential toxic releases following Hurricane Ida. ASPECT, or Airborne Spectral Photometric Environmental Collection Technology, is EPA's only airborne real-time chemical and radiological detection, infrared and photographic imagery platform. Data from ASPECT will be used to inform ongoing response activities.

Message

From: Durant, Jennah [Durant.Jennah@epa.gov]
Sent: 9/7/2021 5:40:29 PM
To: Moore, Gary [Moore.Gary@epa.gov]; R6 RRC [R6_RRC@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]; Adams, Adam [Adams.Adam@epa.gov]; Petersen, Chris [petersen.chris@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]
CC: Assunto, Carmen [Assunto.Carmen@epa.gov]; Acevedo, Janie [Acevedo.Janie@epa.gov]
Subject: RE: Media inquiry--response summary

I need to get this response approved. Below is an updated draft based on info we shared this weekend. If there is more to add, please let me know ASAP.

EPA continues to follow-up on some oil spills and ongoing air releases with ExxonMobil Baton Rouge and Shell Norco. EPA is coordinating with LDEQ in assessing priority facilities and the Airborne Spectral Photometric Environmental Collection Technology (ASPECT) will continue until they are complete. Please see response.epa.gov/HurricaneIda for continued updates on EPA's response activities, including summaries of findings from ASPECT's flights.

From: Durant, Jennah
Sent: Tuesday, September 7, 2021 9:51 AM
To: Moore, Gary <moore.gary@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>
Cc: Assunto, Carmen <assunto.carmen@epa.gov>; Acevedo, Janie <acevedo.janie@epa.gov>
Subject: RE: Media inquiry--response summary

Let me know if this is OK. HQ is working on updating the general language we used last week as a summary of the response set-up with EPA and USCG, which will likely be included in the response to this inquiry.

Draft response:

As of 1 pm CDT on Sept. 6, EPA received a total of 171 reports from the National Response Center. Of these, 39 were in EPA's area of responsibility, and none required additional follow-up from EPA. On Sept. 5, ASPECT, EPA's Airborne Spectral Photometric Environmental Collection Technology, flew over 25 facilities on the Louisiana Department of Environmental Quality's priority list to assess potential releases. ASPECT was not able to fly on Sept. 6 due to storms in the area. Please see response.epa.gov/HurricaneIda for continued updates on EPA's response activities, including summaries of findings from ASPECT's flights.

From: Durant, Jennah <Durant.Jennah@epa.gov>
Sent: Tuesday, September 7, 2021 9:37 AM
To: Moore, Gary <Moore.Gary@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>
Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Acevedo, Janie <Acevedo.Janie@epa.gov>
Subject: Re: Media inquiry--response summary

I will put together a response based on the management report.

From: Moore, Gary <Moore.Gary@epa.gov>
Sent: Tuesday, September 7, 2021 9:28 AM
To: Durant, Jennah <Durant.Jennah@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>

Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Acevedo, Janie <Acevedo.Janie@epa.gov>

Subject: RE: Media inquiry--response summary

Do we need to meet to discuss this media inquiry?

From: Durant, Jennah <Durant.Jennah@epa.gov>

Sent: Tuesday, September 7, 2021 9:14 AM

To: R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>

Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Acevedo, Janie <Acevedo.Janie@epa.gov>

Subject: Media inquiry--response summary

Good morning, we have a new inquiry. Let me know if we can give any details on these questions:

I'm looking for summaries on 1) if there are high-profile incidents where EPA is investigating/managing such as spills, 2) how many incidents is EPA aware of/investigating, 3) any other information on EPA's response.

Message

From: Acevedo, Janie [Acevedo.Janie@epa.gov]
Sent: 9/7/2021 6:35:01 PM
To: Adams, Adam [Adams.Adam@epa.gov]; Durant, Jennah [Durant.Jennah@epa.gov]; Moore, Gary [Moore.Gary@epa.gov]; R6 RRC [R6_RRC@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]; Petersen, Chris [petersen.chris@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]
CC: Assunto, Carmen [Assunto.Carmen@epa.gov]
Subject: RE: Media inquiry--response summary

Thank you

From: Adams, Adam <Adams.Adam@epa.gov>
Sent: Tuesday, September 7, 2021 1:22 PM
To: Durant, Jennah <Durant.Jennah@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>
Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Acevedo, Janie <Acevedo.Janie@epa.gov>
Subject: RE: Media inquiry--response summary

Suggestion in red.

From: Durant, Jennah <Durant.Jennah@epa.gov>
Sent: Tuesday, September 7, 2021 12:40 PM
To: Moore, Gary <Moore.Gary@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>
Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Acevedo, Janie <Acevedo.Janie@epa.gov>
Subject: RE: Media inquiry--response summary

I need to get this response approved. Below is an updated draft based on info we shared this weekend. If there is more to add, please let me know ASAP.

EPA reviews and assesses every report that is received through the National Response Center. EPA continues to follow-up on some oil spills and ongoing air releases with ExxonMobil Baton Rouge and Shell Norco. EPA is coordinating with LDEQ in assessing priority facilities, and the Airborne Spectral Photometric Environmental Collection Technology (ASPECT) will continue until that mission is complete. Please see response.epa.gov/HurricaneIda for continued updates on EPA's response activities, including summaries of findings from ASPECT's flights.

From: Durant, Jennah
Sent: Tuesday, September 7, 2021 9:51 AM
To: Moore, Gary <moore.gary@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>
Cc: Assunto, Carmen <assunto.carmen@epa.gov>; Acevedo, Janie <acevedo.janie@epa.gov>
Subject: RE: Media inquiry--response summary

Let me know if this is OK. HQ is working on updating the general language we used last week as a summary of the response set-up with EPA and USCG, which will likely be included in the response to this inquiry.

Draft response:

As of 1 pm CDT on Sept. 6, EPA received a total of 171 reports from the National Response Center. Of these, 39 were in EPA's area of responsibility, and none required additional follow-up from EPA. On Sept. 5, ASPECT, EPA's Airborne Spectral Photometric Environmental Collection Technology, flew over 25 facilities on the Louisiana Department of

Environmental Quality's priority list to assess potential releases. ASPECT was not able to fly on Sept. 6 due to storms in the area. Please see response.epa.gov/HurricaneIda for continued updates on EPA's response activities, including summaries of findings from ASPECT's flights.

From: Durant, Jennah <Durant.Jennah@epa.gov>

Sent: Tuesday, September 7, 2021 9:37 AM

To: Moore, Gary <Moore.Gary@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>

Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Acevedo, Janie <Acevedo.Janie@epa.gov>

Subject: Re: Media inquiry--response summary

I will put together a response based on the management report.

From: Moore, Gary <Moore.Gary@epa.gov>

Sent: Tuesday, September 7, 2021 9:28 AM

To: Durant, Jennah <Durant.Jennah@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>

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Good morning, we have a new inquiry. Let me know if we can give any details on these questions:

I'm looking for summaries on 1) if there are high-profile incidents where EPA is investigating/managing such as spills, 2) how many incidents is EPA aware of/investigating, 3) any other information on EPA's response.

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From: R6 RRC [R6_RRC@epa.gov]
Sent: 9/7/2021 7:32:39 PM
To: Durant, Jennah [Durant.Jennah@epa.gov]; Moore, Gary [Moore.Gary@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]; Adams, Adam [Adams.Adam@epa.gov]; Petersen, Chris [petersen.chris@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]
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Looks good.

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Sent: Tuesday, September 7, 2021 1:57 PM
To: R6 RRC <R6_RRC@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>
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Thanks. Based on input from Gary I'd like to add info about the Lake Salvador spill:

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EPA continues to follow-up on several oil spills as well as ongoing air releases at the ExxonMobil Baton Rouge and Shell Norco facilities. EPA is coordinating with LDEQ in assessing priority facilities and the Airborne Spectral Photometric Environmental Collection Technology (ASPECT) aircraft continues to fly in support of state air monitoring activities. Please see response.epa.gov/HurricaneIda for continued updates on EPA's response activities, including summaries of findings from ASPECT's flights.

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Message

From: Loesel, Matthew [loesel.matthew@epa.gov]
Sent: 9/7/2021 7:39:03 PM
To: R6 Response Notify [R6_Response_Notify@epa.gov]
Subject: Region 6 Hurricane Ida Management Report #11 9/7/2021
Attachments: Hurricane Ida Report 11 09072021.pdf

Matthew Loesel

U.S. EPA - Federal On-Scene Coordinator

1201 Elm Street

Suite 500 (6SED-EC)

Dallas, Texas 75270

(214) 738 0674 (mobile)

(214) 665 8544 (office)

loesel.matthew@epa.gov

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Daily Management Update – September 7, 2021 Report #11

INCIDENT MANAGEMENT OBJECTIVE

- Prioritize the health and safety of responders.
- Establish an Incident Command System organization as needed to manage the response and deploy resources (staff and equipment) in a timely and coordinated manner and prepare a plan that outlines resource and equipment needs for an extended response.
- Participate in Unified Command with federal, state and local agencies to affect a locally executed, state managed, and federally supported approach to incident stabilization.
- Track incident notifications related to the event and respond to oil spills and hazardous material releases in the Agency's area of responsibility.
- Assess National Priority List sites in the impacted area.
- Coordinate with State of Louisiana on assessment of their priority facilities which include those that are Risk Management Plan and/or Facility Response Plan facilities and assist as requested by the State.
- Coordinate with the State to determine if support is needed for air monitoring during start-up of industrial sources in impacted areas.
- Assess and/or provide technical assistance to support assessment of drinking water and wastewater facilities as requested by the State.
- Ensure prompt processing of Fuel Waiver requests.
- Implement the Agency's Crisis Communication Plan to coordinate communications with the public, sensitive/vulnerable communities, elected officials, and the press.
- Support the Louisiana Department of Environmental Quality through air monitoring of industrial sources in impacted areas using the ASPECT platform.

INCIDENT OVERVIEW Hurricane Ida made landfall August 29, 2021, at approximately 12:00 pm west of Grand Isle, Louisiana. High winds and storm surge affected the coastal Parishes of Louisiana, leading to widespread power and communications outages throughout Southeast Louisiana. Ida produced heavy rains across the central Gulf Coast from southeast Louisiana to coastal Mississippi, Alabama, as well as the Lower Mississippi Valley resulting in considerable flash, urban, small stream, and riverine flooding.

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EXECUTIVE SUMMARY

- On September 7, 2021, EPA deployed the ASPECT air monitoring plane to assess industrial targets identified by the state of Louisiana following Hurricane Ida, the mission is currently scheduled through September 7, 2021. ASPECT did not fly on September 6, 2021 due to weather issues.
- The EPA Region 6 and 7 mobile drinking water laboratories demobilized from the Hurricane Ida response on September 7, 2021 per instructions from FEMA.
- On August 31, 2021, FEMA issued a Mission Assignment for drinking water and waste water subject matter experts to assist FEMA and the state. The two subject matter experts began their mission on, September 1, 2021.
- As of 1:00 pm on September 7, 2021, EPA has received a total of 178 National Response Center (NRC) reports with 41 in EPA's Area of Responsibility (AOR) related to Hurricane Ida, of these 17 are air releases. None have required EPA response actions beyond assessments by the Phone Duty Officer.
- EPA is remotely monitoring two facilities with on-going air releases, ExxonMobil Baton Rouge and Shell Norco, and an oil spill in Lake Salvador which is currently being responded to by the responsible party.
- LDEQ reported that 9 of their ambient air monitoring sites have stopped polling due to power outages as of September 7, 2021. LDEQ's Mobile Air Monitoring Labs (MAMLs) are positioned in Norco and Marrero.
- Drinking Water System Status

Status *	Systems	Population Served
Water Outages	51	63,005
Boil Water Advisories	242	842,067
Cleared of Boil Water Advisories	30	263,106

* As of 10:00 am on September 7, 2021

- LDEQ has completed their initial Rapid Needs Assessments of the impacted area. At this time an ESF #10 Mission Assignment to EPA for assistance with orphan containers and spills is not anticipated. Assessments of drinking water, waste water and industrial facilities are ongoing. No major issues have been reported to date.

SIGNIFICANT ACTIONS

- The Office of External Affairs (ORAX) is working with the HQ Public Information Officer on press inquiries. ORAX continues to post information to social media.
- ORAX posted EPA links to Public Service Announcements about emergencies and disasters to <https://response.epa.gov/HurricaneIda>. These links are in English, Spanish and Vietnamese.
- OCTEA conducted their second stakeholder meeting on September 7, 2021. Questions and comments to OCTEA centered on air monitoring, especially in areas near facilities that are flaring, and water sampling at drinking and waste water facilities by the State of Louisiana.
- A public response site has been created at <https://response.epa.gov/HurricaneIda>.
- As Federal Emergency Management Agency (FEMA) transitions their activities to the field, the need for Liaison Officers from EPA has decreased, so as of September 4, 2021, only one EPA staff will serve as a liaison to FEMA. The position will continue to be staffed virtually.

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- On September 2 and 3, 2021, the Region 6 Air Enforcement Branch reached out to 10 facilities that reported air releases to the National Response Center. Follow-up questions to the NRC reports were sent to these facilities. The facilities have 7 days to respond to EPA once they receive the questions.
- The EPA Remedial Program monitored 23 total NPL sites pre- and post-hurricane. All 23 were cleared and none required action.
- On August 27, 2021, Office of Regional Counsel (ORC) received a Force Majeure notice from the Valero (Meraux) Refinery in St. Bernard Parish, Louisiana. The notice provides that the refinery will shut down its Community Air Monitoring Station on Ventura Drive in order to protect the equipment. The refinery provided the notice pursuant to the terms of the Consent Decree it is under. On September 2, 2021, ORC received an update to the notice, the facility still lacks power, therefore, the air monitoring has not resumed.
- A Force Majeure notice from New Orleans Water and Sewerage Board was received on September 3, 2021. The notice provides that the Sewerage and Water Board does not yet know the extent of damage sustained as a result of Hurricane Ida.
- EPA received a Force Majeure notice of a two-week delay from the Chair of the Star Lake Canal Cooperating Parties (SLCCP) pursuant to EPA's 09/26/2016 Remedial Design Administrative Order on Consent was received by EPA. The notice acknowledges that Hurricane Ida did not impact the Star Lake Canal Superfund Site near Port Neches, Texas. However, the Pre-Final Design work cannot be completed because the SLCCP contractors, who are located in Baton Rouge, LA, cannot deploy due to storm damage.
- Fourteen intakes associated with 11 drinking water facilities along the Mississippi River are near the discharge by the New Orleans Water and Sewerage Board. The Louisiana Department of Health has notified the water systems downstream of the release. Power has been restored to the plant, however, the bypass will continue until the plant is fully operational. Of the six drinking water systems downstream of the bypass, two have cleared their Boil Water Advisory (BWA), two are under a BWA, one still has an outage and information is still being collected on the sixth system.

COORDINATION WITH STATE AGENCIES

- EPA is participating in the daily Hurricane Taskforce calls with the Louisiana Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP), LDEQ, Louisiana Oil Spill Coordinator's Office (LOSCO) and the USCG to discuss storm preparations and resource availability.

UNMET NEEDS & ISSUES

- None at this time

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MISSION ASSIGNMENTS

Mission Assignment Number	Funding Amount	Description of Assignment	Expiration Date
3568EM-LA	\$93,500	Activate and deploy ESF#10 to Region 6 RRCC, IOF, or other locations to include virtual to support FEMA R6 Disaster Operations.	09/26/2021
4611DR-LA	\$24,150	Deployment of personnel to provide water and wastewater expertise to support disaster operations.	09/30/2021
4611DR-LA	\$850,000	Deployment of Drinking Water Mobile Labs	09/29/2021
4611DR-LA	\$555,450	ESF-10 assistance for ASPECT plane to deploy to conduct chemical detection and identification and map chemical plumes in the atmosphere over industrial facilities	09/24/2021

EPA RESOURCES

Personnel	EPA R6 Dallas*	FEMA*	LA Field	ASPECT	Total
Region 6	11	1	4	0	16
Region 7	0	0	4	0	4
CMAD	0	0	0	2	2
START	2	0	0	0	2
Total	13	1	8	2	24

* All virtual staffing

FUEL WAIVERS

Affected State	Waiver Request	Date Received	Status
LA	Request for Temporary Waiver to allow regulated parties to produce, sell and distribute winter gasoline in Louisiana and Mississippi with a Reid vapor pressure of no more than 11.5 psi after the addition of ethanol	08/27/2021	Approved
LA	Request for Temporary Waiver to allow regulated parties to produce, sell and distribute winter gasoline in Louisiana and Mississippi with a Reid vapor pressure of no more than 11.5 psi before the addition of ethanol	9/2/2021	Approved
LA	Request to allow the use of distillate Emission Control Area marine fuel in diesel-powered marine vessels and offshore nonroad engines and nonroad equipment supplied at Port Fourchon	9/5/2021	Approved

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Region 6 Daily Cost Estimates Report-Situation Report

9/7/2021

	Direct Cost	EPA Est. Personnel Cost	EPA Est. Travel Cost	Estimated Contract/ Purchase Spent	TOTAL Estimated Expenditures	Balance (Ceiling minus Expenditures)	TOTAL Contract/ Purchase OBLIG.	Est. Daily Burn Rate	Estimated Days Remaining
MA 4611DR- LA-EPA-01	\$92,098	\$16,582	\$-		\$16,582	\$75,517		\$16,582	4.6
MA 4611DR- LA-EPA-04	\$21,490	\$12,633	\$3,232		\$15,865	\$5,624		\$15,865	0.4
MA 4611DR- LA-EPA-03	\$756,362	\$37,904	\$8,484	\$-	\$46,388	\$709,975		\$46,388	15.3
MA 4611DR- LA-EPA-05*	\$494,341		\$-	\$81,000	\$81,000	\$413,341		\$46,664	8.9
TOTAL FUNDED	\$1,364,291	\$67,118	\$11,716	\$81,000	\$159,834	\$1,204,456	\$-	\$125,498	9.6
Region 6 Indirect Rate 12.38%	\$168,899	\$8,309	\$1,450	\$61,199	\$70,959	\$97,940	\$-	\$3,338	
GRAND TOTAL	\$1,533,190	\$75,428	\$13,166	\$555,540	\$644,134	\$889,056	\$-	\$30,298	

Message

From: Durant, Jennah [Durant.Jennah@epa.gov]
Sent: 9/7/2021 10:09:12 PM
To: Moore, Gary [Moore.Gary@epa.gov]
CC: R6 RRC [R6_RRC@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]; Adams, Adam [Adams.Adam@epa.gov]; Petersen, Chris [petersen.chris@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]; Assunto, Carmen [Assunto.Carmen@epa.gov]; Acevedo, Janie [Acevedo.Janie@epa.gov]; Adams, Pratistha [Adams.Pratistha@epa.gov]; Guidry, Randy [guidry.randy@epa.gov]
Subject: Re: Media inquiry--response summary

Thanks. And is this response still accurate for Talos:

Regarding the incident associated with Talos Energy, EPA has reached out to get information from the U.S. Coast Guard for this oil spill since it is along the coastal zone. The U.S. Coast Guard is the lead response agency for spills in coastal waters and deepwater ports, while EPA is the lead federal response agency for oil spills occurring in inland waters.

On Sep 7, 2021, at 5:01 PM, Moore, Gary <Moore.Gary@epa.gov> wrote:

The company name is: **AMERICAN NATURAL ENERGY CORPORATION**

From: Durant, Jennah <Durant.Jennah@epa.gov>
Sent: Tuesday, September 7, 2021 4:52 PM
To: Moore, Gary <Moore.Gary@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>
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Subject: RE: Media inquiry--response summary

One of the reporters asked for the name of the RP in the Lake Salvador spill. Gary, I know you told me and I forgot to write it down. She also asked: Are you looking into the larger spills in the U.S. Gulf of Mexico, including the one Talos is cleaning up?
I assume we can refer questions about those spills to the USCG.

From: Moore, Gary <Moore.Gary@epa.gov>
Sent: Tuesday, September 7, 2021 3:33 PM
To: Durant, Jennah <Durant.Jennah@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>
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I agree on this as well

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Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Acevedo, Janie <Acevedo.Janie@epa.gov>

Subject: RE: Media inquiry--response summary

I need to get this response approved. Below is an updated draft based on info we shared this weekend. If there is more to add, please let me know ASAP.

EPA continues to follow-up on several oil spills as well as ongoing air releases at the ExxonMobil Baton Rouge and Shell Norco facilities. EPA is coordinating with LDEQ in assessing priority facilities and the Airborne Spectral Photometric Environmental Collection Technology (ASPECT) aircraft continues to fly in support of state air monitoring activities. Please see response.epa.gov/HurricaneIda for continued updates on EPA's response activities, including summaries of findings from ASPECT's flights.

From: Durant, Jennah

Sent: Tuesday, September 7, 2021 9:51 AM

To: Moore, Gary <moore.gary@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>

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Let me know if this is OK. HQ is working on updating the general language we used last week as a summary of the response set-up with EPA and USCG, which will likely be included in the response to this inquiry.

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As of 1 pm CDT on Sept. 6, EPA received a total of 171 reports from the National Response Center. Of these, 39 were in EPA's area of responsibility, and none required additional follow-up from EPA. On Sept. 5, ASPECT, EPA's Airborne Spectral Photometric Environmental Collection Technology, flew over 25 facilities on the Louisiana Department of Environmental Quality's priority list to assess potential releases. ASPECT was not able to fly on Sept. 6 due to storms in the area. Please see response.epa.gov/HurricaneIda for continued updates on EPA's response activities, including summaries of findings from ASPECT's flights.

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I'm looking for summaries on 1) if there are high-profile incidents where EPA is investigating/managing such as spills, 2) how many incidents is EPA aware of/investigating, 3) any other information on EPA's response.

Message

From: Moore, Gary [Moore.Gary@epa.gov]
Sent: 9/7/2021 10:15:00 PM
To: Durant, Jennah [Durant.Jennah@epa.gov]
CC: R6 RRC [R6_RRC@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]; Adams, Adam [Adams.Adam@epa.gov]; Petersen, Chris [petersen.chris@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]; Assunto, Carmen [Assunto.Carmen@epa.gov]; Acevedo, Janie [Acevedo.Janie@epa.gov]; Adams, Pratistha [Adams.Pratistha@epa.gov]; Guidry, Randy [guidry.randy@epa.gov]
Subject: RE: Media inquiry--response summary

See below

From: Durant, Jennah <Durant.Jennah@epa.gov>
Sent: Tuesday, September 7, 2021 5:09 PM
To: Moore, Gary <Moore.Gary@epa.gov>
Cc: R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>; Assunto, Carmen <Assunto.Carmen@epa.gov>; Acevedo, Janie <Acevedo.Janie@epa.gov>; Adams, Pratistha <Adams.Pratistha@epa.gov>; Guidry, Randy <guidry.randy@epa.gov>
Subject: Re: Media inquiry--response summary

Thanks. And is this response still accurate for Talos:

Regarding the incident associated with Talos Energy, EPA has reached out to get information from the U.S. Coast Guard for this oil spill since it is in the coastal zone. The U.S. Coast Guard is the lead response agency for spills in coastal waters and deepwater ports, while EPA is the lead federal response agency for oil spills occurring in inland waters.

On Sep 7, 2021, at 5:01 PM, Moore, Gary <Moore.Gary@epa.gov> wrote:

The company name is: **AMERICAN NATURAL ENERGY CORPORATION**

From: Durant, Jennah <Durant.Jennah@epa.gov>
Sent: Tuesday, September 7, 2021 4:52 PM
To: Moore, Gary <Moore.Gary@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>
Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Acevedo, Janie <Acevedo.Janie@epa.gov>
Subject: RE: Media inquiry--response summary

One of the reporters asked for the name of the RP in the Lake Salvador spill. Gary, I know you told me and I forgot to write it down. She also asked: Are you looking into the larger spills in the U.S. Gulf of Mexico, including the one Talos is cleaning up?
I assume we can refer questions about those spills to the USCG.

From: Moore, Gary <Moore.Gary@epa.gov>
Sent: Tuesday, September 7, 2021 3:33 PM
To: Durant, Jennah <Durant.Jennah@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>

Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Acevedo, Janie <Acevedo.Janie@epa.gov>
Subject: RE: Media inquiry--response summary

I agree on this as well

From: Durant, Jennah <Durant.Jennah@epa.gov>
Sent: Tuesday, September 7, 2021 1:57 PM
To: R6 RRC <R6_RRC@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>
Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Acevedo, Janie <Acevedo.Janie@epa.gov>
Subject: RE: Media inquiry--response summary

Thanks. Based on input from Gary I'd like to add info about the Lake Salvador spill:

EPA continues to follow up ongoing air releases at the ExxonMobil Baton Rouge and Shell Norco facilities. EPA is coordinating with LDEQ in assessing priority facilities and the Airborne Spectral Photometric Environmental Collection Technology (ASPECT) aircraft continues to fly in support of state air monitoring activities. EPA is also following up on several oil spills or reports of potential releases. This includes an oil spill of about 50 barrels released into Lake Salvador in St. Charles Parish. EPA is communicating with the responsible party as cleanup work continues. Please see response.epa.gov/HurricaneIda for continued updates on EPA's response activities, including summaries of findings from ASPECT's flights.

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Message

From: Moore, Gary [Moore.Gary@epa.gov]
Sent: 9/7/2021 10:17:28 PM
To: Jason Meyers [Jason.Meyers@LA.GOV]
CC: Delgado, Eric [Delgado.Eric@epa.gov]
Subject: FW: Requests for Air Monitoring from the Public

FYI

From: Moore, Gary
Sent: Monday, September 6, 2021 1:53 PM
To: Daniel Lambert <daniel.lambert@la.gov>; magaret.parker@la.gov; Jeff.dauzat@la.gov
Cc: R6 RRC <R6_RRC@epa.gov>
Subject: RE: Requests for Air Monitoring from the Public

Hello,

I have been asked by our Regional Administrator how you guys intend to handle the following the information from the NGOs. Also, it would be helpful if you guys have a list of priority facilities that are having ongoing air releases as a result of the storm. We only have 2 that have reported to us about ongoing releases and they are ExxonMobil Baton Rouge and Shell Norco. By the way, you guys are doing a great job like normal – I appreciate how business like and professional you guys are.

Please let me know.

Thanks
Gary Moore

From: Moore, Gary
Sent: Sunday, September 5, 2021 9:10 PM
To: Daniel Lambert <daniel.lambert@la.gov>
Subject: Requests for Air Monitoring from the Public

Daniel: See emails below from NGOs. You may want to get your media people involved and let them know what you guys are doing.

From: Russel Honore' <russel.honore@gmail.com>
Date: September 5, 2021 at 8:10:05 PM CDT
To: Chuck Brown <Chuck.Brown@la.gov>, "Gray, David" <gray.david@epa.gov>, "Polk, Jonna" <Polk.Jonna@epa.gov>
Subject: Fwd: EPA monitoring or lack thereof

Mr Gray see notes below .I am sure Dr Brown will ask for air Monitoring help ASAP , reports show most of state air Monitoring is off line because I'd Ida .

----- Forwarded message -----
From: Darryl Malek-Wiley <darryl.malek-wiley@sierraclub.org>
Date: Sun, Sep 5, 2021 at 5:34 PM
Subject: EPA monitoring or lack thereof

To: Russel Honore' <russel.honore@gmail.com>, Jacques Morial <jacquesMorial@gmail.com>, Andy Jacoby <andrew@parishlawyer.com>, Rev Gregory Manning <gmanning1973@yahoo.com>, Larry Surapuru <lesora77@yahoo.com>, Marylee Orr <marylee@leanweb.org>, Scott Eustis <scott@healthygulf.org>, Naomi Yoder Ex 213 <naomi@healthygulf.org>, Kimberly A Terrell <kterrell1@tulane.edu>, Van Dalen, Corinne J <cvandalen@earthjustice.org>, Cyndhia Ramatchandirane <cramatch@earthjustice.org>, Vickie Boothe <boothevickiel@gmail.com>, Robert Taylor <btcnola@gmail.com>, Lisa Lavie Jordan <ljwJordan@tulane.edu>, Monique Harden <moniqueh@dscej.org>, Dr. Beverly Wright <BeverlyLWright@gmail.com>

Dear All,

After reading EPA reports from Gloria Vaughn:

- 1) The SPECTOR plane has made some flights but data not yet on EPA web site.
- 2) EPA has checked all Superfund sites in Louisiana and no problems.
- 3) EPA has deployed some staff to monitor water pollution problems.
- 4) EPA has NOT deployed any staff to do Air monitoring and LADEQ's air monitoring is off line!!!
- 5) LADEQ has 17 plants on its high priority list so there should be air monitoring at all 17 sites.

LADEQ must ask EPA to deploy staff to do air monitoring during the restoration of operations at petrochemical plants in Cancer Alley.

Region 4 EPA is also ready to help EPA Region 6 if asked to deploy more staff to monitor air pollution.

Darryl

Best Regards, LT General Russel Honore (Ret) www.generalhonore.com (404) 227-1527 See/Smell Something, Say Something, Do Something. Take a picture Call 911

From: I <subracom@aol.com>

Date: September 5, 2021 at 7:07:03 PM CDT

To: "Gray, David" <gray.david@epa.gov>

Cc: "Arroyo, Victoria" <Arroyo.Victoria@epa.gov>, "Waterhouse, Carlton" <Waterhouse.Carlton@epa.gov>

Subject: Need for Summa Canister Sampling of Ambient Air on the Fence Lines of Industrial Facilities Between Baton Rouge and New Orleans LA.

Reply-To: I <subracom@aol.com>

The ASPECT plane air monitoring of the Hurricane Ida's damage association with the industrial facilities between Baton Rouge and New Orleans and their venting, flaring and release of extensive smoke plumes, has not detected any of the 76 chemicals monitored for during September 2, 3 and 4, 2021 monitoring events.

LA DEQ is doing mobile monitoring in Norco and Chalmette. Hydrogen Sulfide and Sulphur Dioxide have been detected, as well as Methane and total hydrocarbons.

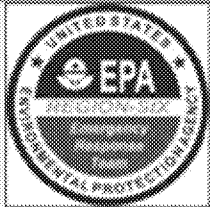
On behalf of the fence line community members living around the industrial facilities, there is a desperate need for collection of summa canister air samples along the fence lines of the industrial facilities during release events, flaring and smoke plume events, that move off the industrial facilities and into the communities. The summa canister air samples need to be analyzed for TO-15 Volatile Organic Compounds, Method 16 Sulphur Compounds and Tentatively Identified Compounds.

The ASPECT sampling and DEQ evaluations have identified flaring, smoke plumes and releases at a number of the industrial facilities, including the refineries and chemical plants in the Norco area, Marathon Refinery and Denka facility in Reserve, the Exxon Refinery and Chemical plants in the North Baton Rouge area, as well as additional facilities releasing toxic chemicals, flaring and releasing smoke/unburned toxic chemicals along the industrial corridor.

Is it possible to obtain resources necessary to fund canister grab air samples around the industrial facilities that are negatively impacting the health of the community members during the loss of electricity power by the industrial facilities and during the start up and shakedown periods that will be required to result in the industrial facilities return to compliance following the hurricane situation? These communities are located around and adjacent to the industrial facilities between Baton Rouge and New Orleans along the Mississippi River industrial corridor.

Thank you for considering this request.

Wilma Subra



Gary W. Moore (SEDER)
Federal On-Scene Coordinator
1201 Elm Street, Ste 500
Dallas, Texas 75270-2102
moore.gary@epa.gov

cell: 214.789.1627
office: 214.665.6609



Message

From: Jason Meyers [Jason.Meyers@LA.GOV]
Sent: 9/7/2021 10:27:08 PM
To: Moore, Gary [Moore.Gary@epa.gov]
CC: Delgado, Eric [Delgado.Eric@epa.gov]
Subject: Re: Requests for Air Monitoring from the Public

Thank you Gary.

Thanks,
Jason Meyers, P.E.
Administrator
Air Planning & Assessment Division

On Sep 7, 2021, at 5:17 PM, Moore, Gary <Moore.Gary@epa.gov> wrote:

EXTERNAL EMAIL: Please do not click on links or attachments unless you know the content is safe.

FYI

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<image004.jpg>

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Dallas, Texas 75270-2102
moore.gary@epa.gov

<image005.jpg>

<image006.jpg>

cell: 214.789.1627
office: 214.665.6609

Message

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Sent: 9/8/2021 4:42:02 PM
To: R6 RRC [R6_RRC@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]; Moore, Gary [Moore.Gary@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]; Petersen, Chris [petersen.chris@epa.gov]; Adams, Adam [Adams.Adam@epa.gov]
CC: Acevedo, Janie [Acevedo.Janie@epa.gov]
Subject: HQ General Talking Points - deadline for HQ is 12:45 CST

These are due back to HQ at 12:45 CST. Thank you, Carmen

Hurricane Ida
EPA Emergency Operations Center Talking Points
September 8, 2021 - [PLEASE REMOVE/ADD/UPDATE INFO BELOW]

EPA Actions

EPA is in regular, ongoing communication with federal, state, tribal, and local partners, and the Agency is participating in daily Hurricane Taskforce calls to discuss storm response and resource availability. EPA is committed to deploying resources at our disposal to help communities impacted by the storm.

~~Today, EPA issued a third waiver of the ultra-low sulfur diesel (ULSD) fuel requirements at Port Fourchon, Louisiana to help improve the fuel and crude oil supply circumstances caused by Hurricane Ida.~~

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Region 6

Louisiana is reporting 9 of their ambient air monitoring sites had stopped polling, due to power outages, as of September 5. Mississippi DEQ indicates that all three coastal ambient air monitors are reporting data.

Louisiana is reporting 51 water systems that have outages and 242 systems have issued boil water advisories, as of September 5. Boil water advisories have been lifted for 30 systems.

On September 7, 2021, EPA deployed the ASPECT air monitoring plane to assess industrial targets identified by the state of Louisiana following Hurricane Ida, the mission is currently scheduled through September 7, 2021. ASPECT did not fly on September 6, 2021 due to weather issues.

As of 1:00 pm on September 7, 2021, EPA has received a total of 178 National Response Center (NRC) reports with 41 in EPA's Area of Responsibility (AOR) related to Hurricane Ida, of these 17 are air releases.

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Region 4

As of September 4, the REOC returned to Level 3 (Steady-State) and no further incident reporting is anticipated.

Region 3

~~EPA Region 3 has received 12 NRC Reports associated with Ida. Two of these reports resulted in the deployment of an OSC to assist with assessment and response operations in Pennsylvania at oil discharges resulting from flooding. A discharge to Burgetts Fork River was cleaned by a contractor and an OSC is presently working with the Pennsylvania Department of Environmental Protection to assess contents of a large tank that has washed up along the banks of Brandywine Creek.~~

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Region 2

- The region will continue to determine the status of the NPL and Removal site as more in-depth assessments are performed.
- Preliminary assessments of the American Cyanamid Superfund site in Bridgewater, New Jersey, shows significant and wide-spread flooding of the site. Due to its proximity to the Raritan River, this site is known to flood and as a result has a flood management and response plan previously approved by EPA, which has been activated. The plan includes testing and treatment of floodwaters trapped on site, if necessary, prior to discharge. The on-site water treatment plant is operational, and floodwaters can be safely released through floodgates after sampling has taken place. Impoundments on-site are being monitored. EPA will ensure that all appropriate response measures are implemented as needed.
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EPA has mobilized its Trace Atmospheric Gas Analyzers (TAGA), self-contained mobile laboratories to detect hazardous air releases, to Flat Rock, MI. The lab us is capable of real-time sampling and analysis at remote locations. TAGA aids efforts to rapidly identify and address potential environmental threats in disaster areas.

Message

From: Petersen, Chris [petersen.chris@epa.gov]
Sent: 9/8/2021 5:44:31 PM
To: Moore, Gary [Moore.Gary@epa.gov]; Assunto, Carmen [Assunto.Carmen@epa.gov]; R6 RRC [R6_RRC@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]; Adams, Adam [Adams.Adam@epa.gov]
CC: Acevedo, Janie [Acevedo.Janie@epa.gov]
Subject: RE: HQ General Talking Points - deadline for HQ is 12:45 CST

Thanks Gary

From: Moore, Gary <Moore.Gary@epa.gov>
Sent: Wednesday, September 8, 2021 12:37 PM
To: Assunto, Carmen <Assunto.Carmen@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>
Cc: Acevedo, Janie <Acevedo.Janie@epa.gov>
Subject: RE: HQ General Talking Points - deadline for HQ is 12:45 CST

See my comments in red....

From: Assunto, Carmen <Assunto.Carmen@epa.gov>
Sent: Wednesday, September 8, 2021 11:42 AM
To: R6 RRC <R6_RRC@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>
Cc: Acevedo, Janie <Acevedo.Janie@epa.gov>
Subject: HQ General Talking Points - deadline for HQ is 12:45 CST

These are due back to HQ at 12:45 CST. Thank you, Carmen

Hurricane Ida
EPA Emergency Operations Center Talking Points
September 8, 2021 - [PLEASE REMOVE/ADD/UPDATE INFO BELOW]

EPA Actions

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Message

From: Loesel, Matthew [loesel.matthew@epa.gov]
Sent: 9/8/2021 7:41:18 PM
To: R6 Response Notify [R6_Response_Notify@epa.gov]
Subject: Region 6 Hurricane Ida Management Report #12 9/8/21
Attachments: Hurricane Ida Report 12 09082021.pdf

Matthew Loesel

U.S. EPA - Federal On-Scene Coordinator

1201 Elm Street

Suite 500 (6SED-EC)

Dallas, Texas 75270

(214) 738 0674 (mobile)

(214) 665 8544 (office)

loesel.matthew@epa.gov

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Daily Management Update – September 8, 2021 Report #12

INCIDENT MANAGEMENT OBJECTIVE

- Prioritize the health and safety of responders.
- Establish an Incident Command System organization as needed to manage the response and deploy resources (staff and equipment) in a timely and coordinated manner and prepare a plan that outlines resource and equipment needs for an extended response.
- Participate in Unified Command with federal, state and local agencies to affect a locally executed, state managed, and federally supported approach to incident stabilization.
- Track incident notifications related to the event and respond to oil spills and hazardous material releases in the Agency's area of responsibility.
- Assess National Priority List sites in the impacted area.
- Coordinate with State of Louisiana on assessment of their priority facilities which include those that are Risk Management Plan and/or Facility Response Plan facilities and assist as requested by the State.
- Coordinate with the State to determine if support is needed for air monitoring during start-up of industrial sources in impacted areas.
- Assess and/or provide technical assistance to support assessment of drinking water and wastewater facilities as requested by the State.
- Ensure prompt processing of Fuel Waiver requests.
- Implement the Agency's Crisis Communication Plan to coordinate communications with the public, sensitive/vulnerable communities, elected officials, and the press.
- Support the Louisiana Department of Environmental Quality through air monitoring of industrial sources in impacted areas using the ASPECT platform.

INCIDENT OVERVIEW Hurricane Ida made landfall August 29, 2021, at approximately 12:00 pm west of Grand Isle, Louisiana. High winds and storm surge affected the coastal Parishes of Louisiana, leading to widespread power and communications outages throughout Southeast Louisiana. Ida produced heavy rains across the central Gulf Coast from southeast Louisiana to coastal Mississippi, Alabama, as well as the Lower Mississippi Valley resulting in considerable flash, urban, small stream, and riverine flooding.

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EXECUTIVE SUMMARY

- On September 8, 2021, EPA deployed the ASPECT air monitoring plane to assess industrial targets identified by the state of Louisiana following Hurricane Ida. ASPECT assessed 12 facilities on the Louisiana Department of Environmental Quality's (LDEQ) priority list plus on oil spill near Port Fourchon on September 7, 2021.
- As of 1:00 pm on September 8, 2021, EPA has received a total of 188 National Response Center (NRC) reports with 43 in EPA's Area of Responsibility (AOR) related to Hurricane Ida, of these 17 are air releases. None have required EPA response actions beyond assessments by the Phone Duty Officer.
- EPA is remotely monitoring two facilities with on-going air releases, ExxonMobil Baton Rouge and Shell Norco, and an oil spill in Lake Salvador which is currently being responded to by the responsible party.
- LDEQ reported that 8 of their ambient air monitoring sites have stopped polling due to power outages as of September 8, 2021. LDEQ's Mobile Air Monitoring Labs (MAMLs) are positioned in Norco and Marrero.
- Drinking Water System Status

Status *	Systems	Population Served
Water Outages	38	45,395
Boil Water Advisories	232	601,819
Cleared of Boil Water Advisories	53	520,964

* As of 10:00 am on September 8, 2021

- LDEQ completed their initial Rapid Needs Assessments of the impacted area. At this time an ESF #10 Mission Assignment to EPA for assistance with orphan containers and spills is not anticipated. Assessments of drinking water, waste water and industrial facilities are ongoing. No major issues have been reported to date.
- On September 7, 2021, the State of Louisiana requested a No Action Assurance (NAA) from EPA to facilitate the storage, transfer, and marketing of petroleum and other fuel products after Hurricane Ida. The NAA being requested is for the New Source Performance Standards (NSPS), the National Emission Standards for Hazardous Air Pollutants (NESHAP) regulations and provisions in Louisiana's State Implementation Plan that pertain to the distribution of gasoline. The NAA will help address current fuel shortages resulting from storm damage and increased demand post storm for storm relief efforts.

SIGNIFICANT ACTIONS

- The EPA Region 6 and 7 mobile drinking water laboratories demobilized from the Hurricane Ida response on September 7, 2021 per instructions from FEMA.
- On August 31, 2021, FEMA issued a Mission Assignment for drinking water and waste water subject matter experts to assist FEMA and the state. The two subject matter experts began their mission on, September 1, 2021.
- The Office of External Affairs (ORAX) is working with the HQ Public Information Officer on press inquiries. ORAX continues to post information to social media.
- ORAX posted EPA links to Public Service Announcements about emergencies and disasters to <https://response.epa.gov/HurricaneIda>. These links are in English, Spanish and Vietnamese.

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- OCTEA sent stakeholders the latest report on EPA's activities and included in the email an answer to an earlier question on the 23 NPL sites assessed by the Remedial program.
- OCTEA previously shared with LDEQ, that the United Houma Nation was severely impacted by the storm. LDEQ Emergency Response checked the state Emergency Operation Center ordering system and verified that the Houma Nation's request for a 5,000 ton AC unit was placed into the system September 7, 2021.
- A public response site has been created at <https://response.epa.gov/HurricaneIda>.
- As Federal Emergency Management Agency (FEMA) transitions their activities to the field, the need for Liaison Officers from EPA has decreased, so as of September 4, 2021, only one EPA staff will serve as a liaison to FEMA. The position will continue to be staffed virtually.
- The EPA Remedial Program monitored 23 total NPL sites pre- and post-hurricane. All 23 were cleared and none required action.
- On August 27, 2021, Office of Regional Counsel (ORC) received a Force Majeure notice from the Valero (Meraux) Refinery in St. Bernard Parish, Louisiana. The notice provides that the refinery will shut down its Community Air Monitoring Station on Ventura Drive in order to protect the equipment. The refinery provided the notice pursuant to the terms of the Consent Decree it is under. On September 2, 2021, ORC received an update to the notice, the facility still lacks power, therefore, the air monitoring has not resumed.
- A Force Majeure notice from New Orleans Water and Sewerage Board was received on September 3, 2021. The notice provides that the Sewerage and Water Board does not yet know the extent of damage sustained as a result of Hurricane Ida.
- EPA received a Force Majeure notice of a two-week delay from the Chair of the Star Lake Canal Cooperating Parties (SLCCP) pursuant to EPA's 09/26/2016 Remedial Design Administrative Order on Consent was received by EPA. The notice acknowledges that Hurricane Ida did not impact the Star Lake Canal Superfund Site near Port Neches, Texas. However, the Pre-Final Design work cannot be completed because the SLCCP contractors, who are located in Baton Rouge, LA, cannot deploy due to storm damage.
- Fourteen intakes associated with 11 drinking water facilities along the Mississippi River are near the discharge by the New Orleans Water and Sewage Board. The Louisiana Department of Health has notified the water systems downstream of the release. Power has been restored to the plant, however, the bypass will continue until the plant is fully operational. Of the six drinking water systems downstream of the bypass, two have cleared their Boil Water Advisory (BWA), two are under a BWA, one still has an outage and information is still being collected on the sixth system.
- The SPod air monitors at the Denka Performance Elastomers may have the ability to sample for chloroprene as early as September 9, 2021. The SPods are powered by solar panels and batteries so the power disruption is not an issue. The two SPods taken down prior to Ida will also be reinstalled.

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- The Region 6 Air Enforcement Branch sent follow-up questions to facilities that reported air releases to the National Response Center. The facilities have 7 days to respond to EPA.

STATUS AS OF 9/8/2021 AT 1130 - ENFORCEMENT SENSITIVE					
NRC NO.	RESPONSIBLE_COMPANY	CONTACT MADE? (PHONE/E-MAIL/BOTH)	IDA QUESTIONNAIRE SENT?	RESPONSE RECEIVED? (Yes/No)	INITIAL COMPLIANCE CONCERNS IDENTIFIED?
1315060	CF INDUSTRIES	Both	Yes - 9/3/2021	No	TBD Pending Responses
1315054	CF INDUSTRIES	Both	Yes - 9/3/2021	No	TBD Pending Responses
1315119	CORNER STONE CHEMICAL COMPANY	E-mail	Yes - 9/3/2021	No	TBD Pending Responses
1315082	EXXON MOBIL BATON ROUGE REFINERY	Both	Yes - 9/3/2021	No	TBD Pending Responses
1315052	KOCH NITROGEN COMPANY	Both	Yes - 9/3/2021	Yes - 9/8/2021	No
1315068	MOSAIC FERTILIZER	E-mail	Yes - 9/3/2021	No	TBD Pending Responses
1315356	PERFORMANCE FOOD GROUP	Both	Yes - 9/3/2021	No	TBD Pending Responses
1315122	PERFORMANCE FOOD GROUP	Both	Yes - 9/3/2021	No	TBD Pending Responses
1315262	PHILLIPS 66 PIPELINE LLC	Both	Yes - 9/3/2021	No	TBD Pending Responses
1315057	PHILLIPS 66 PIPELINE LLC	Both	Yes - 9/3/2021	No	TBD Pending Responses
1315456	SHELL NORCO	Both	Yes - 9/3/2021	No	TBD Pending Responses
1314961	SHELL NORCO	Both	Yes - 9/3/2021	No	TBD Pending Responses
1315073	SHINTECH LOUISIANA	Both	Yes - 9/3/2021	Yes - 9/8/2021	No
1315097	TOTAL ENERGY	Contact Not Yet Made - Voicemail left on 9/3	No	--	--
1315343	KINDER MORGAN	Contact Not Yet Made	No	--	--
1315183	KIRBY INLAND MARINE	Contact Not Yet Made	No	--	--
1315569	MARATHON	Contact Not Yet Made	No	--	--
1315166	TENNESSEE GAS PIPELINE	Contact Not Yet Made	No	--	--
1315386	THIRD COAST MIDSTEAM	Contact Not Yet Made	No	--	--
1315676	THIRD COAST MIDSTREAM	Contact Not Yet Made	No	--	--

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COORDINATION WITH STATE AGENCIES

- EPA is participating in the daily Hurricane Taskforce calls with the Louisiana Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP), LDEQ, Louisiana Oil Spill Coordinator's Office (LOSCO) and the USCG to discuss storm preparations and resource availability.

UNMET NEEDS & ISSUES

- None at this time

MISSION ASSIGNMENTS

Mission Assignment Number	Funding Amount	Description of Assignment	Expiration Date
3568EM-LA	\$93,500	Activate and deploy ESF #10 to Region 6 RRCC, IOF, or other locations to include virtual to support FEMA R6 Disaster Operations.	09/26/2021
4611DR-LA	\$24,150	Deployment of personnel to provide water and wastewater expertise to support disaster operations.	09/30/2021
4611DR-LA	\$850,000	Deployment of Drinking Water Mobile Labs	09/29/2021
4611DR-LA	\$555,450	Deploy ASPECT plane to conduct chemical detection and identification and map chemical plumes in the atmosphere over industrial facilities	09/24/2021

EPA RESOURCES

Personnel	EPA R6 Dallas*	FEMA*	LA Field	ASPECT	Total
Region 6	11	1	2	0	14
CMAD	0	0	0	2	2
START	2	0	0	0	2
Total	13	1	2	2	18

* All virtual staffing

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FUEL WAIVERS

Affected State	Waiver Request	Date Received	Status
LA	Request for Temporary Waiver to allow regulated parties to produce, sell and distribute winter gasoline in Louisiana and Mississippi with a Reid vapor pressure of no more than 11.5 psi after the addition of ethanol	08/27/2021	Approved
LA	Request for Temporary Waiver to allow regulated parties to produce, sell and distribute winter gasoline in Louisiana and Mississippi with a Reid vapor pressure of no more than 11.5 psi before the addition of ethanol	9/2/2021	Approved
LA	Request to allow the use of distillate Emission Control Area marine fuel in diesel-powered marine vessels and offshore nonroad engines and nonroad equipment supplied at Port Fourchon	9/5/2021	Approved

FOR INTERNAL AGENCY USE ONLY

Hurricane Ida
Region 6 Daily Cost Estimates Report-Situation Report
8-Sep-21

	Direct Cost	EPA Est. Personnel Cost	EPA Est. Travel Cost	Estimated Contract/ Purchase Spent	TOTAL Estimated Expenditures	Balance (Ceiling minus Expenditures)	TOTAL Contract/ Purchase OBLIG.	Est. Daily Burn Rate	Estimated Days Remaining
MA 4611DR-LA- EPA-01	\$92,098	\$17,372	\$-		\$17,372	\$74,727		\$17,372	4.3
MA 4611DR-LA- EPA-04	\$21,490	\$14,212	\$3,636		\$17,848	\$3,641		\$17,848	0.2
MA 4611DR-LA- EPA-03	\$756,362	\$42,642	\$9,292	\$-	\$51,934	\$704,429		\$51,934	13.6
MA 4611DR-LA- EPA-05	\$494,341		\$-	\$81,000	\$81,000	\$413,341		\$51,402	8
TOTALFUNDED	\$1,364,291	\$74,225	\$12,928	\$81,000	\$168,153	\$1,196,137	\$-	\$138,555	8.6
Region 6 Indirect Rate 12.38%	\$168,899	\$9,189	\$1,600	\$61,199	\$71,989	\$96,910	\$-	\$3,288	
GRAND TOTAL	\$1,533,190	\$83,415	\$14,528	\$555,540	\$653,483	\$879,707	\$-	\$29,844	

Message

From: Durant, Jennah [Durant.Jennah@epa.gov]
Sent: 9/8/2021 8:48:58 PM
To: R6 RRC [R6_RRC@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]; Moore, Gary [Moore.Gary@epa.gov]; Stenger, Wren [stenger.wren@epa.gov]; Thompson, Steve [thompson.steve@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]; Adams, Adam [Adams.Adam@epa.gov]
CC: Loesel, Matthew [loesel.matthew@epa.gov]; Petersen, Chris [petersen.chris@epa.gov]
Subject: URGENT Review needed--draft press release
Attachments: Hurricane Ida air monitoring PR .docx

Attached is the draft press release on air monitoring activities. Please review and send me your edits as soon as possible.



U.S. ENVIRONMENTAL PROTECTION AGENCY
NEWS RELEASE
WWW.EPA.GOV/NEWSROOM

EPA Air Monitoring Efforts Continue in Communities Impacted by Hurricane Ida

Media contacts: [[HYPERLINK "mailto:R6Press@epa.gov"](mailto:R6Press@epa.gov)] or [[HYPERLINK "mailto:Press@epa.gov"](mailto:Press@epa.gov)]

DALLAS – (Sept. 8, 2021) The U.S. Environmental Protection Agency (EPA) continues monitoring air quality in Louisiana communities affected by Hurricane Ida. Today, at the request of the Louisiana Department of Environmental Quality (LDEQ), EPA will begin air monitoring near certain industrial facilities in communities affected by Hurricane Ida. In addition, EPA's ASPECT aircraft remains in the area to assess potential emissions releases at certain industrial facilities. EPA also expects to reinstall specialty monitors soon at Denka Performance Elastomers in Reserve. The monitors had been secured and partially dismantled before the hurricane made landfall.

Community Monitoring

EPA will use summa canisters to monitor ambient air for volatile organic compounds (VOCs) and fine particle pollution, known as PM 2.5 at certain locations specified by LDEQ. The canisters will measure VOCs using 24-hour samples and PM 2.5 will be measured through continuous monitoring. The locations are:

- Shell Refinery—Norco
- Denka Performance Elastomer—Reserve
- Marathon Refinery—Garyville
- LDEQ's Irish Channel air monitoring site
- Port Fourchon

Samples will be sent to a lab for analysis, resulting in a roughly 24-hour processing time. Monitoring results will be available at [[HYPERLINK "https://response.epa.gov/HurricaneIda"](https://response.epa.gov/HurricaneIda)].

Denka Performance Elastomer Monitoring

As part of an ongoing effort to monitor and reduce emissions of chloroprene at the Denka Performance Elastomer facility in Reserve, EPA previously installed monitors known as Spods at the facility fenceline and at several locations in the community. These monitors were secured and some parts were removed prior to Hurricane Ida's landfall. EPA began reinstalling monitors this week and expects most will be functioning as normal by Friday.

ASPECT Air Monitoring

On September 2, EPA deployed the ASPECT plane to assess industrial targets identified by the state of Louisiana following Hurricane Ida. ASPECT, or Airborne Spectral Photometric Environmental Collection Technology, is EPA's only airborne real-time chemical and radiological detection, infrared and photographic imagery platform. Facilities ASPECT has surveyed include:

- Shell Refinery West and East—Norco
- Marathon Refinery—Garyville
- Phillips 66 pipeline
- Union Carbide Corp.—St. Charles Plant

ASPECT remains available to continue monitoring in support of federal and state response efforts. ASPECT maps and summaries can be viewed on [[HYPERLINK "https://response.epa.gov/HurricaneIda"](https://response.epa.gov/HurricaneIda)]

LDEQ remains the lead agency for air monitoring in the state of Louisiana. More information can be found at [[HYPERLINK](https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fairquality.deq.louisiana.gov%2F&data=04%7C01%7CDurant.Jennah%40epa.gov%7Caf322aff9be446ae17f008d972fd1d7b%7C88b378b367484867acf976aacbeca6a7%7C0%7C0%7C637667253705052710%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ikl1haWwiLCJXVCi6Mn0%3D%7C1000&sdata=S2Q4pqZ39tJUJdwG1EmWtm2exS4adHNmdN9JXzQQ4v0%3D&reserved=0)

"https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fairquality.deq.louisiana.gov%2F&data=04%7C01%7CDurant.Jennah%40epa.gov%7Caf322aff9be446ae17f008d972fd1d7b%7C88b378b367484867acf976aacbeca6a7%7C0%7C0%7C637667253705052710%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ikl1haWwiLCJXVCi6Mn0%3D%7C1000&sdata=S2Q4pqZ39tJUJdwG1EmWtm2exS4adHNmdN9JXzQQ4v0%3D&reserved=0"].

EPA continues to support FEMA, state, local, and tribal partners in response to Hurricane Ida. EPA encourages affected communities to continue staying alert for instructions from local authorities. Additional information about EPA's efforts can be found at [[HYPERLINK "https://response.epa.gov/HurricaneIda"](https://response.epa.gov/HurricaneIda)].

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###

Message

From: Stenger, Wren [stenger.wren@epa.gov]
Sent: 9/8/2021 9:06:45 PM
To: Durant, Jennah [Durant.Jennah@epa.gov]; R6 RRC [R6_RRC@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]; Moore, Gary [Moore.Gary@epa.gov]; Thompson, Steve [thompson.steve@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]; Adams, Adam [Adams.Adam@epa.gov]
CC: Loesel, Matthew [loesel.matthew@epa.gov]; Petersen, Chris [petersen.chris@epa.gov]
Subject: RE: URGENT Review needed--draft press release
Attachments: Hurricane Ida DRAFT PRESS Release air monitoring REDLINE EDITS Sept 8 2021.docx

Jennah, a few comments from me. Also, see the comment on the canister sampling. I understood the

Tentatively Identified Compounds were included in this sampling. I believe the LDEQ mission request has the information in it. Eric will know.

WREN STENGER
DIRECTOR, SUPERFUND AND EMERGENCY MANAGEMENT
EPA REGION 6 DALLAS, TEXAS
214.685.6583

From: Durant, Jennah <Durant.Jennah@epa.gov>
Sent: Wednesday, September 08, 2021 3:49 PM
To: R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Stenger, Wren <stenger.wren@epa.gov>; Thompson, Steve <thompson.steve@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>
Cc: Loesel, Matthew <loesel.matthew@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>
Subject: URGENT Review needed--draft press release

Attached is the draft press release on air monitoring activities. Please review and send me your edits as soon as possible.



U.S. ENVIRONMENTAL PROTECTION AGENCY
NEWS RELEASE
WWW.EPA.GOV/NEWSROOM

EPA Air Monitoring Efforts Continue in Communities Impacted by Hurricane Ida

Media contacts: [[HYPERLINK "mailto:R6Press@epa.gov"](mailto:R6Press@epa.gov)] or [[HYPERLINK "mailto:Press@epa.gov"](mailto:Press@epa.gov)]

DALLAS – (Sept. 8, 2021) The U.S. Environmental Protection Agency (EPA) continues monitoring air quality in Louisiana communities affected by Hurricane Ida. Today, at the request of the Louisiana Department of Environmental Quality (LDEQ), EPA will begin air monitoring near certain industrial facilities in communities affected by Hurricane Ida. In addition, EPA's ASPECT aircraft remains in the area to assess potential emissions releases at certain industrial facilities. EPA also expects to reinstall specialty monitors soon at Denka Performance Elastomers in Reserve. The monitors had been secured and partially dismantled before the hurricane made landfall.

Community Monitoring

EPA will use summa canisters to monitor ambient air for volatile organic compounds (VOCs) and fine particle pollution, known as PM 2.5 at certain locations specified by LDEQ. The canisters will measure VOCs using 24-hour samples and PM 2.5 will be measured through continuous monitoring. The locations are:

Commented [W1]: What about the Tentatively Identified Compounds? I thought that was also included by LDEQ in the mission assignment

- Shell Refinery—Norco
- Denka Performance Elastomer—Reserve
- Marathon Refinery—Garyville
- LDEQ's Irish Channel air monitoring site
- Port Fourchon

Samples will be sent to a lab for analysis, resulting in a roughly 24-hour processing time. Monitoring results will be available at [[HYPERLINK "https://response.epa.gov/HurricaneIda"](https://response.epa.gov/HurricaneIda)].

Denka Performance Elastomer Monitoring

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Commented [W2]: Is this sPODS? Is it an acronym?

ASPECT Air Monitoring

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- Shell Refinery West and East—Norco
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On Twitter: [HYPERLINK "https://twitter.com/EPAregion6"]

About EPA Region 6: [HYPERLINK "https://www.epa.gov/aboutepa/epa-region-6-south-central"]

#

Message

From: R6 RRC [R6_RRC@epa.gov]
Sent: 9/8/2021 9:17:17 PM
To: Stenger, Wren [stenger.wren@epa.gov]; Durant, Jennah [Durant.Jennah@epa.gov]; R6 RRC [R6_RRC@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]; Moore, Gary [Moore.Gary@epa.gov]; Thompson, Steve [thompson.steve@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]
CC: Loesel, Matthew [loesel.matthew@epa.gov]; Petersen, Chris [petersen.chris@epa.gov]
Subject: RE: URGENT Review needed--draft press release
Attachments: DRAFT-Hurricane Ida DRAFT PRESS Release air monitoring REDLINE EDITS Sept 8 2021.docx

Jennah,
See comments to help explain the SPods.
VR,
Adam

From: Stenger, Wren <stenger.wren@epa.gov>
Sent: Wednesday, September 8, 2021 4:07 PM
To: Durant, Jennah <Durant.Jennah@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Thompson, Steve <thompson.steve@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>
Cc: Loesel, Matthew <loesel.matthew@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>
Subject: RE: URGENT Review needed--draft press release

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WREN STENGER
DIRECTOR, SUPERFUND AND EMERGENCY MANAGEMENT
EPA REGION 6 DALLAS, TEXAS
214.665.6583

From: Durant, Jennah <Durant.Jennah@epa.gov>
Sent: Wednesday, September 08, 2021 3:49 PM
To: R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Stenger, Wren <stenger.wren@epa.gov>; Thompson, Steve <thompson.steve@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>
Cc: Loesel, Matthew <loesel.matthew@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>
Subject: URGENT Review needed--draft press release

Attached is the draft press release on air monitoring activities. Please review and send me your edits as soon as possible.



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NEWS RELEASE
WWW.EPA.GOV/NEWSROOM

EPA Air Monitoring Efforts Continue in Communities Impacted by Hurricane Ida

Media contacts: [[HYPERLINK "mailto:R6Press@epa.gov"](mailto:R6Press@epa.gov)] or [[HYPERLINK "mailto:Press@epa.gov"](mailto:Press@epa.gov)]

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Formatted: Highlight

Commented [AA1]: See below regarding SPods.

Community Monitoring

EPA will use summa canisters to monitor ambient air for volatile organic compounds (VOCs) and fine particle pollution, known as PM 2.5 at certain locations specified by LDEQ. The canisters will measure VOCs using 24-hour samples and PM 2.5 will be measured through continuous monitoring. The locations are:

Commented [W2]: What about the Tentatively Identified Compounds? I thought that was also included by LDEQ in the mission assignment

- Shell Refinery—Norco
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- Port Fourchon

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Denka Performance Elastomer Monitoring

As part of an ongoing effort to monitor and reduce emissions of chloroprene at the Denka Performance Elastomer facility in Reserve, EPA previously installed monitors known as Spods or Sensor Pods at the facility fenceline and at several locations in the community. These monitors were secured and some parts were removed prior to Hurricane Ida's landfall. EPA began reinstalling monitors this week and expects most will be functioning as normal by Friday.

Commented [W3]: Is this sPODS? Is it an acronym?

Commented [AA4]: Same as the special monitoring equipment mentioned in the very first paragraph.

Sensor Pods, or SPods, are solar-powered sensor systems that can monitor meteorological (MET/weather) conditions, have a photoionization detector (PID) for continuous VOC analysis, canister sampling capability, and data processing.

ASPECT Air Monitoring

On September 2, EPA deployed the ASPECT plane to assess industrial targets identified by the State of Louisiana following Hurricane Ida. ASPECT, or Airborne Spectral Photometric Environmental Collection Technology, is EPA's only airborne real-time chemical and radiological detection, infrared and photographic imagery platform. The ASPECT plane has surveyed the following facilities:

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###

Message

From: Acevedo, Janie [Acevedo.Janie@epa.gov]
Sent: 9/9/2021 7:43:20 PM
To: Delgado, Eric [Delgado.Eric@epa.gov]; R6 RRC [R6_RRC@epa.gov]; Moore, Gary [Moore.Gary@epa.gov]; Adams, Adam [Adams.Adam@epa.gov]
CC: Durant, Jennah [Durant.Jennah@epa.gov]; Assunto, Carmen [Assunto.Carmen@epa.gov]
Subject: RE: ACTION: Please read
Attachments: Hurricane Ida air monitoring PR_revisedjab TC 9.9.21.docx

Will do.

Jennah,
The original version that is attached, is ready to go.

Janie

From: Delgado, Eric <Delgado.Eric@epa.gov>
Sent: Thursday, September 9, 2021 2:38 PM
To: Acevedo, Janie <Acevedo.Janie@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>
Cc: Durant, Jennah <Durant.Jennah@epa.gov>; Assunto, Carmen <Assunto.Carmen@epa.gov>
Subject: Re: ACTION: Please read

We had a misunderstanding. Please release the original HQ approved press release.

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From: Acevedo, Janie <Acevedo.Janie@epa.gov>
Sent: Thursday, September 9, 2021 2:29:57 PM
To: R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>
Cc: Durant, Jennah <Durant.Jennah@epa.gov>; Assunto, Carmen <Assunto.Carmen@epa.gov>
Subject: ACTION: Please read



I removed Denka from this list. All good with you all? We are ready to issue this press release!

Community Monitoring

In impacted areas, EPA will use summa canisters to sample ambient air for volatile organic compounds (VOCs), including Tentatively Identified Compounds (TICs), and will use air monitors for fine particle pollution, known as PM 2.5, at certain locations specified by LDEQ. The canisters will measure VOCs and TICs using 24-hour samples and PM 2.5 will be measured through continuous monitoring. Sampling will follow EPA-approved methods and protocols. Some of the first locations include:

- Shell Refinery—Norco
- Marathon Refinery—Garyville
- Irish Channel air monitoring site
- Port Fourchon

Samples will be sent to an EPA-certified laboratory for analysis, and data will be posted following EPA's

Janie Acevedo-Beauchamp

Staff Director,

Intergovernmental, Congressional, Multimedia and Press

Office of External Affairs

Region 6 – Dallas

214-665-2120





U.S. ENVIRONMENTAL PROTECTION AGENCY
NEWS RELEASE
WWW.EPA.GOV/NEWSROOM

EPA Expands Air Monitoring Efforts in Communities Impacted by Hurricane Ida

Media contacts: [[HYPERLINK "mailto:R6Press@epa.gov"](mailto:R6Press@epa.gov)] or [[HYPERLINK "mailto:Press@epa.gov"](mailto:Press@epa.gov)]

DALLAS – (Sept. 8, 2021) The U.S. Environmental Protection Agency (EPA) is expanding air quality evaluations in Louisiana communities affected by Hurricane Ida. Today, at the request of the Louisiana Department of Environmental Quality (LDEQ), EPA will begin air sampling near certain industrial facilities in communities affected by Hurricane Ida. EPA has deployed the ASPECT aircraft to assess potential emissions releases at industrial facilities as power is restored, and the aircraft remains available for additional deployment. EPA is also restarting chloroprene community air monitors around Denka Performance Elastomers in LaPlace, St. John the Baptist Parish. The community monitors had been secured before the hurricane made landfall to prevent damage.

Under the Biden-Harris Administration, EPA continues to prioritize all of its environmental and public health programs, including emergency response activities, especially those which address historical inequities in underserved and overburdened communities throughout the U.S.

Community Monitoring

In impacted areas, EPA will use summa canisters to sample ambient air for volatile organic compounds (VOCs), including Tentatively Identified Compounds (TICs), and will use air monitors for fine particle pollution, known as PM 2.5, at certain locations specified by LDEQ. The canisters will measure VOCs and TICs using 24-hour samples and PM 2.5 will be measured through continuous monitoring. Sampling will follow EPA-approved methods and protocols. Some of the first locations include:

- Shell Refinery—Norco
- Denka Performance Elastomer—Reserve
- Marathon Refinery—Garyville
- LDEQ's Irish Channel air monitoring site
- Port Fourchon

Samples will be sent to an EPA-certified laboratory for analysis, and data will be posted following EPA's rigorous Quality Control/Quality Assurance protocols. Data should be available within 10 days and posted to EPA's website at [[HYPERLINK "https://response.epa.gov/HurricaneIda"](https://response.epa.gov/HurricaneIda)].

Denka Performance Elastomer Monitoring

As part of an ongoing effort to monitor and reduce emissions of chloroprene at the Denka Performance Elastomer facility in LaPlace, EPA has been measuring chloroprene emissions for several years and operating a continuous monitoring system since 2020. The continuous monitors and sample canisters were secured prior to Hurricane Ida's landfall. EPA began restarting the continuous monitors this week and expects most will be functioning as normal by Friday, September 10, 2021. More information about these monitors can be found at [[HYPERLINK "https://www.epa.gov/la/laplace-louisiana-background-information"](https://www.epa.gov/la/laplace-louisiana-background-information)]

ASPECT Air Monitoring

On September 2, EPA deployed the ASPECT aircraft to assess industrial facilities identified by the state of Louisiana following Hurricane Ida. ASPECT, or Airborne Spectral Photometric Environmental Collection Technology, is EPA's airborne real-time chemical and radiological detection, infrared and photographic imagery platform. ASPECT has completed aerial surveillance of 60 industrial facilities. ASPECT is a unique response asset only available from EPA and will remain available as additional facilities begin start-up operations in the upcoming weeks. EPA ASPECT maps and data summaries can be viewed on [[HYPERLINK "https://response.epa.gov/HurricaneIda"](https://response.epa.gov/HurricaneIda)]

National Response Center Reports

EPA continues to review reports of spills and releases into the environment by industry in the aftermath of Hurricane Ida. The National Response Center is operated by the US Coast Guard and information is available at [[HYPERLINK "https://nrc.uscg.mil/"](https://nrc.uscg.mil/)]. Under federal law, facilities must report spills and releases to the environment. To date, EPA has received 43 notifications of in-land spills and releases within its jurisdiction. The US Coast Guard receives notifications of any coastal spills, not EPA. As a result of NRC notifications, EPA Office of Compliance and Enforcement has issued ten (10) information requests to facility operators to determine compliance with federal environmental laws during Hurricane Ida. EPA will continue this effort and violations will result in federal enforcement and penalties.

EPA Prepared to Help with Ongoing Response

EPA is providing air monitoring and sampling assistance to augment LDEQ's technical resources that are on-the-ground responding to the aftermath of Hurricane Ida. LDEQ continues to deploy its mobile air monitoring vehicles, collect air samples and send out response personnel with handheld air monitors to gather information for the public. More information and data can be found at [[HYPERLINK "https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fairquality.deq.louisiana.gov%2F&data=04%7C01%7CDurant.Jennah%40epa.gov%7C5fe66b44a1ed42d4aa2408d97314e7f9%7C88b378b367484867acf976aacbeca6a7%7C0%7C0%7C637667355903267314%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ikp1haWwiLCJXVCi6Mn0%3D%7C1000&sdata=bg%2FR793ti4xsf%2BvnB98%2Ftp7QPb1SiAjK1W6Reh8rhmE%3D&reserved=0"](https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fairquality.deq.louisiana.gov%2F&data=04%7C01%7CDurant.Jennah%40epa.gov%7C5fe66b44a1ed42d4aa2408d97314e7f9%7C88b378b367484867acf976aacbeca6a7%7C0%7C0%7C637667355903267314%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ikp1haWwiLCJXVCi6Mn0%3D%7C1000&sdata=bg%2FR793ti4xsf%2BvnB98%2Ftp7QPb1SiAjK1W6Reh8rhmE%3D&reserved=0)].

EPA continues to support FEMA, state, local, and Tribal partners in response to Hurricane Ida. EPA encourages affected communities to continue staying alert for instructions from local authorities, especially generator safety precautions, and report any spills or releases to state authorities. Community information and observations are extremely valuable in assisting federal and state first-responders.

EPA continues to provide response updates and safety information in multiple languages to non-government organizations, environmental advocacy groups and communities with environmental justice concerns. Representatives should contact Region 6 EJ Coordinator Gloria Vaughn at [[HYPERLINK "mailto:vaughn.gloria@epa.gov"](mailto:vaughn.gloria@epa.gov)] for more information.

Additional information about EPA's efforts can be found at [[HYPERLINK "https://response.epa.gov/HurricaneIda"](https://response.epa.gov/HurricaneIda)].

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About EPA Region 6: [[HYPERLINK "https://www.epa.gov/aboutepa/epa-region-6-south-central"](https://www.epa.gov/aboutepa/epa-region-6-south-central)]

Helpful Public Service Announcements about Emergencies and Disasters in English, Spanish and Vietnamese:

[[HYPERLINK "https://www.epa.gov/natural-disasters/public-service-announcements-about-emergencies-and-disasters"](https://www.epa.gov/natural-disasters/public-service-announcements-about-emergencies-and-disasters)]

[[HYPERLINK "https://espanol.epa.gov/espanol/anuncios-de-servicio-publico-sobre-desastres-naturales"](https://espanol.epa.gov/espanol/anuncios-de-servicio-publico-sobre-desastres-naturales)]

[[HYPERLINK "https://www.epa.gov/lep/bao"](https://www.epa.gov/lep/bao) \l "psas"]

#

Message

From: Loesel, Matthew [loesel.matthew@epa.gov]
Sent: 9/2/2021 6:58:20 PM
To: Durant, Jennah [Durant.Jennah@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]; R6 RRC [R6_RRC@epa.gov]; Guidry, Randy [guidry.randy@epa.gov]
CC: Assunto, Carmen [Assunto.Carmen@epa.gov]; Moore, Gary [Moore.Gary@epa.gov]; Carroll, Craig [Carroll.Craig@epa.gov]; Adams, Adam [Adams.Adam@epa.gov]; Petersen, Chris [petersen.chris@epa.gov]
Subject: RE: Media inquiry--Shell Norco facility

Looks great to me

From: Durant, Jennah <Durant.Jennah@epa.gov>
Sent: Thursday, September 2, 2021 1:55 PM
To: Loesel, Matthew <loesel.matthew@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Guidry, Randy <guidry.randy@epa.gov>
Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>
Subject: RE: Media inquiry--Shell Norco facility

Thanks. Here is a draft response:

What day did EPA make contact with Norco's facility?

August 31 [based on input from Gary]

What type of gas is being flared?

The materials reported to the National Response Center are butadiene, benzene, hydrogen sulfide and hydrogen.

Is there an air pollution threat to the community?

The state of Louisiana is assessing air quality and impacts to communities. EPA has deployed the ASPECT airborne monitoring technology to assist with assessing releases from industrial sites.

And according to Louisiana officials today, the facility had not yet reported their expected emissions or whether it was in violation of its permit to them. Can EPA comment?

The state of Louisiana has delegated authority to implement and enforce air permits; please refer to the state for information on violations.

From: Loesel, Matthew <loesel.matthew@epa.gov>
Sent: Thursday, September 2, 2021 1:34 PM
To: Durant, Jennah <Durant.Jennah@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Guidry, Randy <guidry.randy@epa.gov>
Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>
Subject: RE: Media inquiry--Shell Norco facility

The State sent their Mobile Air Monitoring Lab (MAML) to Norco today. EPA contacted the facility on September 1, 2021, to my knowledge we have not contacted them today. The EPA ASPECT is scheduled to fly over the Norco area today. The materials reported to the National Response Center by Norco are butadiene, benzene, hydrogen sulfide and hydrogen. As far as what the facility has reported to the state or their permit limits, those questions would need to be directed to the state.

From: Durant, Jennah <Durant.Jennah@epa.gov>
Sent: Thursday, September 2, 2021 1:28 PM
To: Delgado, Eric <Delgado.Eric@epa.gov>; R6 RRC <R6_RRC@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Guidry, Randy <guidry.randy@epa.gov>
Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>
Subject: RE: Media inquiry--Shell Norco facility

Matt, do you have any additional info on this inquiry?

From: Delgado, Eric <Delgado.Eric@epa.gov>
Sent: Thursday, September 2, 2021 9:53 AM
To: R6 RRC <R6_RRC@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Guidry, Randy <guidry.randy@epa.gov>
Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Durant, Jennah <Durant.Jennah@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>
Subject: RE: Media inquiry--Shell Norco facility

Matt,

Please work with Gary and Randy on a response for us to review and submit up the chain.

Eric Delgado
Federal On Scene Coordinator
214.437.9809
Delgado.Eric@epa.gov

From: Durant, Jennah <Durant.Jennah@epa.gov>
Sent: Thursday, September 2, 2021 9:51 AM
To: R6 RRC <R6_RRC@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>
Cc: Assunto, Carmen <Assunto.Carmen@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>
Subject: RE: Media inquiry--Shell Norco facility

HQ is asking for our response; can we give them any updates about this facility? I know we are deploying mobile labs—which ones are we sending?

From: Durant, Jennah
Sent: Thursday, September 2, 2021 8:23 AM
To: R6 RRC <R6_RRC@epa.gov>; Adams, Adam <Adams.Adam@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>
Cc: Assunto, Carmen <assunto.carmen@epa.gov>
Subject: Media inquiry--Shell Norco facility

Hi, HQ received this inquiry and would like our input. The reporter is referring to yesterday's spot report on the public response site. Can we respond to any of these questions?

Inquiry:

According to today's EPA Ida report, the EPA has made contact with Shell Norco where there is "excessive smoke seen in the community...a result of a lack of electricity and the inability to supply steam and nitrogen to flare."

According to the update, "Shell is conducting fence line and community air monitoring and reporting information to the St. Charles Parish EOC."

What day did EPA make contact with Norco's facility? What type of gas is being flared? Is there an air pollution threat to the community?

And according to Louisiana officials today, the facility had not yet reported their expected emissions or whether it was in violation of its permit to them. Can EPA comment?

Message

From: Jason Meyers [Jason.Meyers@LA.GOV]
Sent: 9/9/2021 11:28:06 PM
To: Delgado, Eric [Delgado.Eric@epa.gov]
Subject: Fwd: EPA Expands Air Monitoring Efforts in Communities Impacted by Hurricane Ida

Fyi.

Thanks,
Jason Meyers, P.E.
Administrator
LDEQ Air Planning & Assessment Div

Begin forwarded message:

From: "Vivian Johnson (DEQ)" <Vivian.Johnson2@la.gov>
Date: September 9, 2021 at 3:47:06 PM CDT
To: Jason Meyers <Jason.Meyers@la.gov>, Peter Cazeaux <Peter.Cazeaux@la.gov>
Subject: FW: EPA Expands Air Monitoring Efforts in Communities Impacted by Hurricane Ida

Just in case you don't already know...

From: US EPA <noreply-subscriptions@epa.gov>
Sent: Thursday, September 9, 2021 3:37 PM
To: Vivian Johnson (DEQ) <Vivian.Johnson2@la.gov>
Subject: EPA Expands Air Monitoring Efforts in Communities Impacted by Hurricane Ida

EXTERNAL EMAIL: Please do not click on links or attachments unless you know the content is safe.



EPA Expands Air Monitoring Efforts in Communities Impacted by Hurricane Ida

Media contacts: R6Press@epa.gov or Press@epa.gov

DALLAS – (Sept. 9, 2021) The U.S. Environmental Protection Agency (EPA) is expanding air quality evaluations in Louisiana communities affected by Hurricane Ida. Today, at the request of the Louisiana Department of Environmental Quality (LDEQ), EPA will begin air sampling near certain industrial facilities in communities affected by Hurricane Ida. EPA has deployed the ASPECT aircraft to assess potential emissions releases at industrial facilities as power is restored, and the aircraft remains available for additional deployment.

EPA is also restarting chloroprene community air monitors around Denka Performance Elastomers in LaPlace, St. John the Baptist Parish. The community monitors had been secured before the hurricane made landfall to prevent damage.

Under the Biden-Harris Administration, EPA continues to prioritize all of its environmental and public health programs, including emergency response activities, especially those which address historical inequities in underserved and overburdened communities throughout the U.S.

Community Monitoring

In impacted areas, EPA will use summa canisters to sample ambient air for volatile organic compounds (VOCs), including Tentatively Identified Compounds (TICs), and will use air monitors for fine particle pollution, known as PM 2.5, at certain locations specified by LDEQ. The canisters will measure VOCs and TICs using 24-hour samples and PM 2.5 will be measured through continuous monitoring. Sampling will follow EPA-approved methods and protocols. Some of the first locations include:

- Shell Refinery—Norco
- Denka Performance Elastomer—Reserve
- Marathon Refinery—Garyville
- LDEQ's Irish Channel air monitoring site
- Port Fourchon

Samples will be sent to an EPA-certified laboratory for analysis, and data will be posted following EPA's rigorous Quality Control/Quality Assurance protocols. Data should be available within 10 days and posted to EPA's website at response.epa.gov/HurricaneIda.

Denka Performance Elastomer Monitoring

As part of an ongoing effort to monitor and reduce emissions of chloroprene at the Denka Performance Elastomer facility in LaPlace, EPA has been measuring chloroprene emissions for several years and operating a continuous monitoring system since 2020. The continuous monitors and sample canisters were secured prior to Hurricane Ida's landfall. EPA began restarting the continuous monitors this week and expects most will be functioning as normal by Friday, September 10, 2021. More information about these monitors can be found at <https://www.epa.gov/la/laplace-louisiana-background-information>

ASPECT Air Monitoring

On September 2, EPA deployed the ASPECT aircraft to assess industrial facilities identified by the state of Louisiana following Hurricane Ida. ASPECT, or Airborne Spectral Photometric Environmental Collection Technology, is EPA's airborne real-time chemical and radiological detection, infrared and photographic imagery platform. ASPECT has completed aerial surveillance of 60 industrial facilities. ASPECT is a unique

response asset only available from EPA and will remain available as additional facilities begin start-up operations in the upcoming weeks. EPA ASPECT maps and data summaries can be viewed on <https://response.epa.gov/HurricaneIda>

National Response Center Reports

EPA continues to review reports of spills and releases into the environment by industry in the aftermath of Hurricane Ida. The National Response Center is operated by the US Coast Guard and information is available at <https://nrc.uscg.mil/>. Under federal law, facilities must report spills and releases to the environment. To date, EPA has received 43 notifications of inland spills and releases within its jurisdiction. The US Coast Guard receives notifications of any coastal spills, not EPA. As a result of NRC notifications, EPA Office of Compliance and Enforcement has issued ten (10) information requests to facility operators to determine compliance with federal environmental laws during Hurricane Ida. EPA will continue this effort and violations will result in federal enforcement and penalties.

EPA Prepared to Help with Ongoing Response

EPA is providing air monitoring and sampling assistance to augment LDEQ's technical resources that are on-the-ground responding to the aftermath of Hurricane Ida. LDEQ continues to deploy its mobile air monitoring vehicles, collect air samples and send out response personnel with handheld air monitors to gather information for the public. More information and data can be found at <https://airquality.deq.louisiana.gov/>.

EPA continues to support FEMA, state, local, and Tribal partners in response to Hurricane Ida. EPA encourages affected communities to continue staying alert for instructions from local authorities, especially generator safety precautions, and report any spills or releases to state authorities. Community information and observations are extremely valuable in assisting federal and state first-responders.

EPA continues to provide response updates and safety information in multiple languages to non-government organizations, environmental advocacy groups and communities with environmental justice concerns. Representatives should contact Region 6 EJ Coordinator Gloria Vaughn at vaughn.gloria@epa.gov for more information.

Additional information about EPA's efforts can be found at <https://response.epa.gov/HurricaneIda>.

<https://www.epa.gov/natural-disasters/public-service-announcements-about-emergencies-and-disasters>

<https://espanol.epa.gov/espanol/anuncios-de-servicio-publico-sobre-desastres-naturales>

<https://www.epa.gov/lep/bao#psas>

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On Twitter: <https://twitter.com/EPAregion6>

About EPA Region 6: <https://www.epa.gov/aboutepa/epa-region-6-south-central>

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#



If you would rather not receive future communications from Environmental Protection Agency, let us know by clicking [here](#).
Environmental Protection Agency, 1201 Elm Street, Suite 500, Dallas, TX 75270 United States

Message

From: Acevedo, Janie [Acevedo.Janie@epa.gov]
Sent: 9/9/2021 7:29:57 PM
To: R6 RRC [R6_RRC@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]; Moore, Gary [Moore.Gary@epa.gov]; Adams, Adam [Adams.Adam@epa.gov]
CC: Durant, Jennah [Durant.Jennah@epa.gov]; Assunto, Carmen [Assunto.Carmen@epa.gov]
Subject: ACTION: Please read
Attachments: Hurricane Ida air monitoring PR_revisedjab TC 9.9.21.docx

Importance: High

I removed Denka from this list. All good with you all? We are ready to issue this press release!

Community Monitoring

In impacted areas, EPA will use summa canisters to sample ambient air for volatile organic compounds (VOCs), including Tentatively Identified Compounds (TICs), and will use air monitors for fine particle pollution, known as PM 2.5, at certain locations specified by LDEQ. The canisters will measure VOCs and TICs using 24-hour samples and PM 2.5 will be measured through continuous monitoring. Sampling will follow EPA-approved methods and protocols. Some of the first locations include:

- Shell Refinery—Norco
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- Port Fourchon

Samples will be sent to an EPA-certified laboratory for analysis, and data will be posted following EPA's

Janie Acevedo-Beauchamp
Staff Director,
Intergovernmental, Congressional, Multimedia and Press
Office of External Affairs
Region 6 – Dallas
214-665-2120





U.S. ENVIRONMENTAL PROTECTION AGENCY
NEWS RELEASE
WWW.EPA.GOV/NEWSROOM

EPA Expands Air Monitoring Efforts in Communities Impacted by Hurricane Ida

Media contacts: [[HYPERLINK "mailto:R6Press@epa.gov"](mailto:R6Press@epa.gov)] or [[HYPERLINK "mailto:Press@epa.gov"](mailto:Press@epa.gov)]

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Additional information about EPA's efforts can be found at [[HYPERLINK "https://response.epa.gov/HurricaneIda"](https://response.epa.gov/HurricaneIda)].

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About EPA Region 6: [[HYPERLINK "https://www.epa.gov/aboutepa/epa-region-6-south-central"](https://www.epa.gov/aboutepa/epa-region-6-south-central)]

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[[HYPERLINK "https://www.epa.gov/natural-disasters/public-service-announcements-about-emergencies-and-disasters"](https://www.epa.gov/natural-disasters/public-service-announcements-about-emergencies-and-disasters)]

[[HYPERLINK "https://espanol.epa.gov/espanol/anuncios-de-servicio-publico-sobre-desastres-naturales"](https://espanol.epa.gov/espanol/anuncios-de-servicio-publico-sobre-desastres-naturales)]

[[HYPERLINK "https://www.epa.gov/lep/bao"](https://www.epa.gov/lep/bao) \l "psas"]

#

Message

From: Moore, Gary [Moore.Gary@epa.gov]
Sent: 9/11/2021 2:40:40 AM
To: Taylor, Jillianne [Taylor.Jillianne@epa.gov]
CC: Delgado, Eric [Delgado.Eric@epa.gov]
Subject: RE: ASPECT Grid Flight

Jill, You and Eric need to talk.

From: Taylor, Jillianne <Taylor.Jillianne@epa.gov>
Sent: Friday, September 10, 2021 9:39 PM
To: Moore, Gary <Moore.Gary@epa.gov>
Cc: Delgado, Eric <Delgado.Eric@epa.gov>
Subject: RE: ASPECT Grid Flight

Yes, the goal will still be to hit the targets that they provided. We will have the pilots make small adjustments to the grid lines so that they can catch the sites on the list. We may just have to do this in real time with the grid lines overlayed in Google Earth and the ground crew paying attention to how close they are to the sites and directing them when they will have to adjust their heading.

From: Moore, Gary <Moore.Gary@epa.gov>
Sent: Friday, September 10, 2021 9:32 PM
To: Taylor, Jillianne <Taylor.Jillianne@epa.gov>
Cc: Delgado, Eric <Delgado.Eric@epa.gov>
Subject: RE: ASPECT Grid Flight

I assume that you will still be flying over some of there targets by doing the grid pattern, correct? I don't necessarily have a problem with it but would like Eric to chime in here. At some point, can we get the grids on a map that they want with the coordinates of the facilities of interest on them so that we are doing both at the same time. Just a thought? I think we typically utilize the USCG Quarter Quarter Quads (2 mile X 2 mile). At this late time and date, I am not sure if we can do it that way. I think input from Eric is needed as well.

Ed will likely have to inform FEMA of your mission as well.

Thanks,
Gary Moore

From: Taylor, Jillianne <Taylor.Jillianne@epa.gov>
Sent: Friday, September 10, 2021 9:08 PM
To: Delgado, Eric <Delgado.Eric@epa.gov>; Moore, Gary <Moore.Gary@epa.gov>; Patel, Anish <patel.anish@epa.gov>
Cc: Argenta, Edward <Argenta.Edward@epa.gov>; Honnellio, Anthony <Honnellio.Anthony@epa.gov>
Subject: FW: ASPECT Grid Flight

Hello Eric, Gary, and Anish,

I spoke with Gina Saizan this evening and she was looking for suggestions for how we might best execute the oil surveillance mission. She said the points that they had provided were places where oil had been seen/detected over the past few days, but they are really looking for more wide-area coverage to track the sites that have already been identified and to look for more sites.

We discussed a plan to execute a systematic grid flight pattern while trying to identify targets of opportunity within the cells. We asked LOSCO to provide a selection of (8) 10x10 mile grid boxes which they would like us to work in. We plan to fly straight lines spaced every two miles within the grid boxes. The IRLS produces a ½ mile wide foot print underneath. We'll tell the pilots to watch for sheens and if they should identify one that may be missed with our grid design we may adjust our flight path to make a pass and collect data on them.

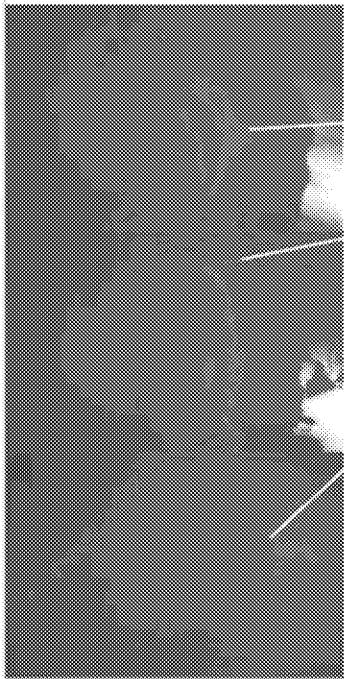
The back-up plan to this grid approach is connect the dots with the way points in an efficient manner.

We asked LOSCO to pick which grid boxes they'd like us to focus on. We provided them with a heat map analysis of their POIs with 10x10 mile cells.


I'd also like to pass along this slide to help illustrate to LOSCO the data products they will receive.


Example Oil Product

Visible Photo



Infrared Classified Photos





Oil Capability:

- Developed during Deep Water Horizon
- Uses our Infrared line scanning Sensor
- Allows for Nighttime oil assessment
- IR Images to left is 1+ miles long
 - Single image instead of ~10 visible image pictures
 - Significantly easier to identify Oil
 - Automation can identify images with oil for human screening.
- Provides
 - Surface oil characterization
 - Oil; Mixed Water/Oil; Water; Other
 - Percent Oil coverage
- Two Classifier approaches
 - Supervised - <6ft water depth
 - Unsupervised - >6ft water depth

I have provided the email that I sent to Gina with the example grid pattern below – they will provide us with which cells they would like us to cover in the morning. Please let us know if you have any questions/suggestions.

This will be a new mission type for the crew, but I spoke with both sides of the contracting teams and they are ready and up to the challenge.

Thanks,
Jill

From: Taylor, Jillianne
Sent: Friday, September 10, 2021 8:51 PM
To: Gina.Saizan@la.gov
Subject: ASPECT Grid Flight

Hi Gina,

I have attached a PDF with an example of the grid lines that we think would get us the most aerial coverage while also trying to maximize efficiency. We think we can do up to 8 10 mile x 10 mile grid cells by flying 2 mile flight lines. If you just let us know which 8 cells you would prefer (preferably in a 20 mile x 40 mile configuration, though we can adjust if you have a preference), we will make our plan accordingly.

Please let me know if you have any questions!

Thank you,
Jill

Jill Taylor
Atmospheric Scientist, ASPECT
CBRN Consequence Management Advisory Division
Environmental Protection Agency
1201 Elm St., Dallas, TX 75270
Work Cell: 214-406-9896

Message

From: Taylor, Jillianne [Taylor.Jillianne@epa.gov]
Sent: 9/11/2021 3:00:47 PM
To: Moore, Gary [Moore.Gary@epa.gov]; Delgado, Eric [Delgado.Eric@epa.gov]; Patel, Anish [patel.anish@epa.gov]
Subject: FW: EPA ASPECT Mission Plan for Hurricane Ida Response - 20210911 New POIs
Attachments: FEMA_20210911_EPA_Ida_Response.pptx

FYSA

From: Argenta, Edward <Argenta.Edward@epa.gov>
Sent: Saturday, September 11, 2021 9:37 AM
To: McKown, Cody <cody.mckown@fema.dhs.gov>; Russell, Glen <glen.russell@fema.dhs.gov>; Mak, Morgan <morgan.mak@fema.dhs.gov>; Herr, Kevin N LT USCG SOUTHCOM JIATFS J2 (USA) <Kevin.N.Herr@uscg.mil>; Icaza, Arturo <arturo.icaza@fema.dhs.gov>
Cc: Honnellio, Anthony <Honnellio.Anthony@epa.gov>; Taylor, Jillianne <Taylor.Jillianne@epa.gov>; Pandey, Siddharth (CTR) <siddharth.pandey@associates.fema.dhs.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Jakabhazy, Elise <Jakabhazy.Elise@epa.gov>; Luke, April <Luke.April@epa.gov>
Subject: EPA ASPECT Mission Plan for Hurricane Ida Response - 20210911 New POIs

Good morning,

EPA ASPECT has received new targets from LDEQ and LOSCO via our ESF10 mission assignment to investigate oil spill reports and collect additional information using our infrared detection capability. Please see the attached summary of our mission areas for the day. We plan to execute ~5 straight line passes through each grid box and do ad hoc passes of "targets of opportunity."

I will update our plan for tomorrow later this evening. WX is the concern for tomorrow and most of next week.

Please let me know if you have any questions,
Ed

Edward Argenta Jr
Branch Chief
Field Operations Branch
CBRN Consequence Management Advisory Division
Office of Emergency Management
Argenta.edward@epa.gov
Gov't Mobile: 202.843.4511
Office #: 202.564.4528
Office: WJC-N - B517R

From: Argenta, Edward
Sent: Wednesday, September 8, 2021 8:35 PM
To: McKown, Cody <cody.mckown@fema.dhs.gov>; Russell, Glen <glen.russell@fema.dhs.gov>; Mak, Morgan <morgan.mak@fema.dhs.gov>; Herr, Kevin N LT USCG SOUTHCOM JIATFS J2 (USA) <Kevin.N.Herr@uscg.mil>; Icaza, Arturo <arturo.icaza@fema.dhs.gov>
Cc: Honnellio, Anthony <Honnellio.Anthony@epa.gov>; Taylor, Jillianne <Taylor.Jillianne@epa.gov>; Pandey, Siddharth (CTR) <siddharth.pandey@associates.fema.dhs.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Jakabhazy, Elise <Jakabhazy.Elise@epa.gov>
Subject: EPA ASPECT Mission Plan for Hurricane Ida Response - Initial Task Complete

All,

EPA ASPECT has collected at least 2 data passes for all of the initial facilities we were tasked with and is currently in flight back to Addison, TX (Home Base). We may be tasked with additional sites. If that occurs, I will resume creating a one slide overview of our mission if that is beneficial/needed.

Please let me know if you have any questions; it was great working with you.

Respectfully,
Ed

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Office: WJC-N - B517R

From: Argenta, Edward
Sent: Tuesday, September 7, 2021 11:01 PM
To: 'McKown, Cody' <cody.mckown@fema.dhs.gov>; 'Russell, Glen' <glen.russell@fema.dhs.gov>; 'Mak, Morgan' <morgan.mak@fema.dhs.gov>; 'Herr, Kevin N LT USCG SOUTHCOM JIATFS J2 (USA)' <Kevin.N.Herr@uscg.mil>
Cc: Honnellio, Anthony <Honnellio.Anthony@epa.gov>; Taylor, Jillianne <Taylor.Jillianne@epa.gov>; 'Pandey, Siddharth (CTR)' <siddharth.pandey@associates.fema.dhs.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Jakabhazy, Elise <Jakabhazy.Elise@epa.gov>
Subject: EPA ASPECT Mission Plan for Hurricane Ida Response - 20210908

All,

EPA ASPECT plans to fly on 20210908. See the attached slide for details. We are targeting sites we only collected 1 data pass on to enhance our screening as well as additional targets of opportunity as we fly. This may be EPA's final day in the region unless additional POIs are identified by LA and shared/tasked to EPA OR if a new assignment comes in from another federal partner.

Respectfully,
Ed

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From: Argenta, Edward
Sent: Tuesday, September 7, 2021 9:55 AM

To: 'McKown, Cody' <cody.mckown@fema.dhs.gov>; 'Russell, Glen' <glen.russell@fema.dhs.gov>; 'Mak, Morgan' <morgan.mak@fema.dhs.gov>; 'Herr, Kevin N LT USCG SOUTHCOM JIATFS J2 (USA)' <Kevin.N.Herr@uscg.mil>
Cc: Honnellio, Anthony <Honnellio.Anthony@epa.gov>; Taylor, Jillianne <Taylor.Jillianne@epa.gov>; 'Pandey, Siddharth (CTR)' <siddharth.pandey@associates.fema.dhs.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Jakabhazy, Elise <Jakabhazy.Elise@epa.gov>
Subject: EPA ASPECT Mission Plan for Hurricane Ida Response - 20210907

All,

EPA ASPECT is inbound into the AOR. See the attached slide for details. We are targeting sites we only collected 1 data pass on to enhance our screening as well as additional targets of opportunity as we fly. If weather permits, we plan to hit the coastline first then go counterclockwise along the eastern shore -> NOLA -> Mississippi River -> BTR.

Thanks,
Ed

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Office: WJC-N - B517R

From: Argenta, Edward
Sent: Monday, September 6, 2021 9:01 AM
To: McKown, Cody <cody.mckown@fema.dhs.gov>; Russell, Glen <glen.russell@fema.dhs.gov>; Mak, Morgan <morgan.mak@fema.dhs.gov>; Herr, Kevin N LT USCG SOUTHCOM JIATFS J2 (USA) <Kevin.N.Herr@uscg.mil>
Cc: Honnellio, Anthony <Honnellio.Anthony@epa.gov>; Taylor, Jillianne <Taylor.Jillianne@epa.gov>; Pandey, Siddharth (CTR) <siddharth.pandey@associates.fema.dhs.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Jakabhazy, Elise <Jakabhazy.Elise@epa.gov>
Subject: RE: EPA ASPECT Mission Plan for Hurricane Ida Response - 20210906

All,

EPA ASPECT has scrubbed their mission planned for 20210906 due to the storms in the area and the forecast for later in the afternoon. We are returning back to Home Base – Addison, TX for the day/evening. We are watching weather for tomorrow (09/07/2021) as Ops may be impacted again. We'll provide an update around 0730 CST on 20210907 of our plans for the day.

Please let me know if you have any questions,
Ed

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Office: WJC-N - B517R

From: Argenta, Edward

Sent: Monday, September 6, 2021 12:37 AM

To: McKown, Cody <cody.mckown@fema.dhs.gov>; Russell, Glen <glen.russell@fema.dhs.gov>; Mak, Morgan <morgan.mak@fema.dhs.gov>; Herr, Kevin N LT USCG SOUTHCOM JIATFS J2 (USA) <Kevin.N.Herr@uscg.mil>

Cc: R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Mekeel, Edward <mekeel.edward@epa.gov>; Fisher, Bray <fisher.kelsey@epa.gov>; Honnellio, Anthony <Honnellio.Anthony@epa.gov>; Moore, Gary <moore.gary@epa.gov>; Taylor, Jillianne <Taylor.Jillianne@epa.gov>; Pandey, Siddharth (CTR) <siddharth.pandey@associates.fema.dhs.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Jakabhazy, Elise <Jakabhazy.Elise@epa.gov>

Subject: EPA ASPECT Mission Plan for Hurricane Ida Response - 20210906

All,

Please find the attached summary of EPA ASPECT activities as of 20210905 related to our support to the Hurricane Ida response. Please note, the slide has changed and we have symbolized the dates we performed our initial screening of the LDEQ& EPA priority facilities. EPA ASPECT has 1 site remaining on our POI list and plans to perform additional data collects on high priority facilities or additional POIs on 09/06/2021. Weather may impact our operations on 09/06/2021.

Respectfully,
Ed

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From: Argenta, Edward

Sent: Saturday, September 4, 2021 11:58 PM

To: 'McKown, Cody' <cody.mckown@fema.dhs.gov>; 'Russell, Glen' <glen.russell@fema.dhs.gov>

Cc: R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Mekeel, Edward <mekeel.edward@epa.gov>; Fisher, Bray <fisher.kelsey@epa.gov>; Honnellio, Anthony <Honnellio.Anthony@epa.gov>; Moore, Gary <moore.gary@epa.gov>; Taylor, Jillianne <Taylor.Jillianne@epa.gov>; 'Pandey, Siddharth (CTR)' <siddharth.pandey@associates.fema.dhs.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Jakabhazy, Elise <Jakabhazy.Elise@epa.gov>

Subject: EPA ASPECT Mission Plan for Hurricane Ida Response - 20210905

Please see the attached summary slide for 9/4 execution and 9/5 plan. We successfully screened 19 locations on 9/4 and will attempt to get to ~25 sites on 9/5.

Thanks,
Ed

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From: Argenta, Edward

Sent: Friday, September 3, 2021 11:14 PM

To: McKown, Cody <cody.mckown@fema.dhs.gov>; Russell, Glen <glen.russell@fema.dhs.gov>

Cc: R6 RRC <R6_RRC@epa.gov>; Delgado, Eric <Delgado.Eric@epa.gov>; Mekeel, Edward <mekeel.edward@epa.gov>; Fisher, Bray <fisher.kelsey@epa.gov>; Honnellio, Anthony <Honnellio.Anthony@epa.gov>; Moore, Gary <moore.gary@epa.gov>; Taylor, Jillianne <Taylor.Jillianne@epa.gov>; Pandey, Siddharth (CTR) <siddharth.pandey@associates.fema.dhs.gov>; Perovich, Gina <Perovich.Gina@epa.gov>

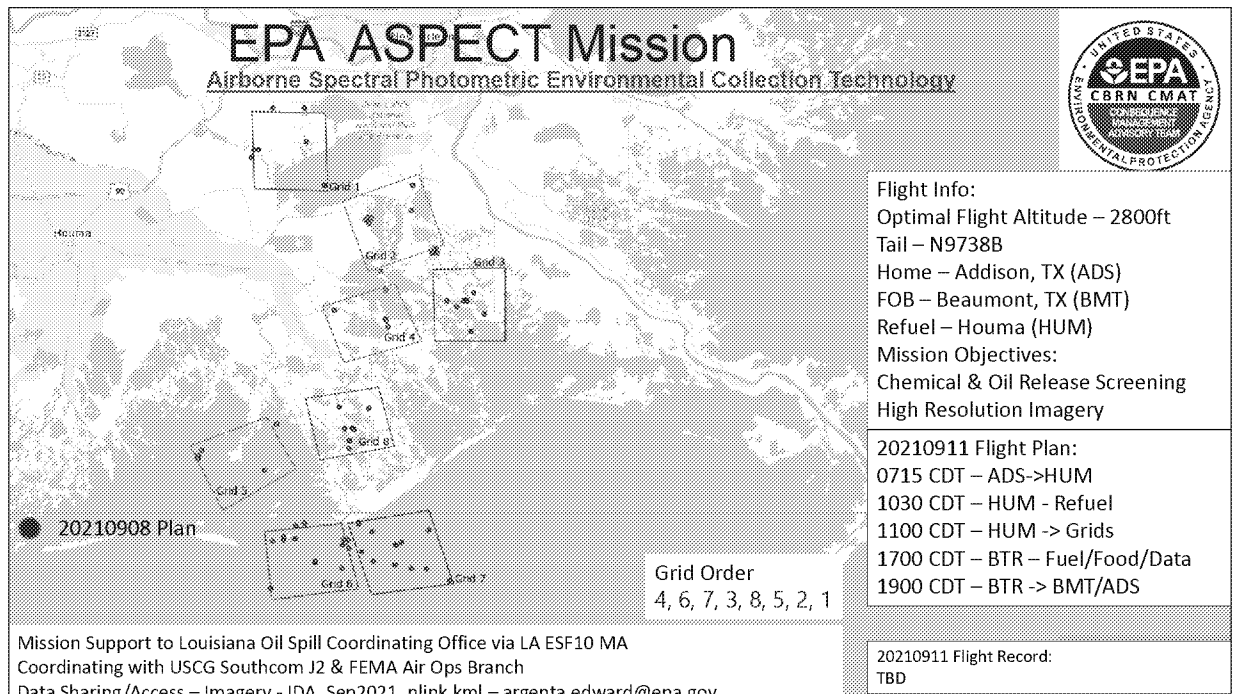
Subject: EPA ASPECT Mission Plan for Hurricane Ida Response - 20210904

Hi All,

Please find the attached slide which summarizes what we accomplished to date (black icons), our plan for 20210904 (blue icons), and the remaining facilities to screen (red/orange icons). You'll find our planned flight times and record of today's (20210903) flight hours. If you'd like this information in a different method/format or would benefit from a table of GPS locations for our planned activities please let me know.

Respectfully,
Ed

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Cessna 208B Super Cargo Master Platform - Addison, TX
 Range/Aloft Time: Range 1,200 NM; Aloft Time 4 – 6 hours

- An Infrared Line Scanner to image chemical plumes
- A High Speed Infrared Spectrometer to identify and quantify the composition of the chemical plume in the ppb to ppm range
- Gamma-Ray Spectrometer for radiation detection and isotope identification
- Neutron Detection System for enhanced radiological detection
- High resolution digital cameras (aerial & oblique) with ability to rectify for inclusion into GIS
- Broadband Satellite Data System (SatCom)